IMPORTANT
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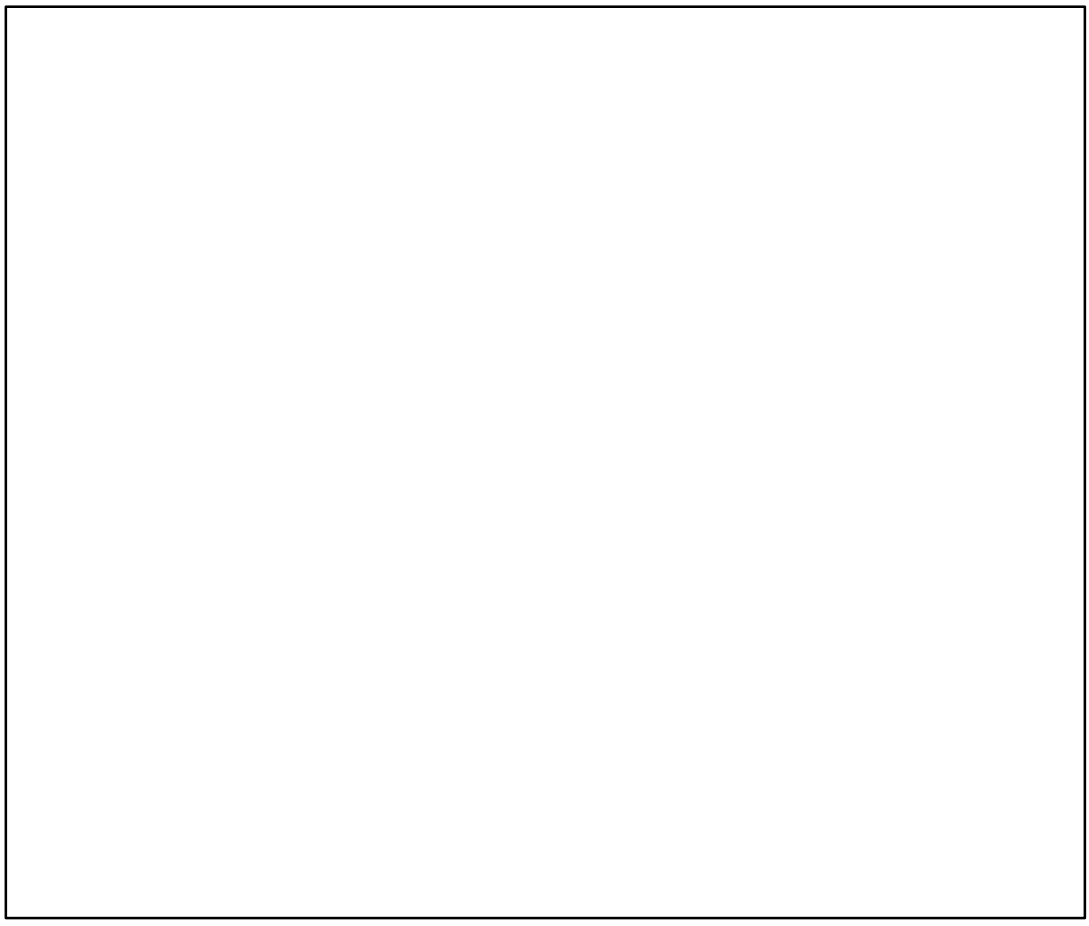


2010/2011 Critical Care Bed

MAINTENANCE MANUAL

For Parts or Technical Assistance
1–800–327–0770

Table of Contents

Introduction

INTRODUCTION

This manual is designed to assist you with the operation and maintenance of the 2010/2011 Stryker Manual Critical Care Bed. Read it thoroughly before using the equipment or beginning any maintenance on it.

SPECIFICATIONS

Maximum Weight Capacity	500 pounds
Overall Bed Length/Width	90”/38”
Minimum/Maximum Bed Height	22.5”/35”
Knee Gatch Angle	0 degrees to 35 degrees
Fowler Angle	0 to 90 degrees
Trendelenberg/Reverse Trendelenberg	–12 degrees to +12 degrees
Weigh System Accuracy (optional equipment)	+ / – 1% of total patient weight

WARNING / CAUTION / NOTE DEFINITION

The words WARNING, CAUTION and NOTE carry special meanings and should be carefully reviewed.

WARNING

The personal safety of the patient or user may be involved. Disregarding this information could result in injury to the patient or user.

CAUTION

These instructions point out special procedures or precautions that must be followed to avoid damaging the equipment.

NOTE

This provides special information to make maintenance easier or important instructions clearer.

CLEANING

1. Hand wash all surfaces of the bed with warm water and mild detergent. Dry thoroughly.
2. Clean Velcro **AFTER EACH USE**. Saturate Velcro with disinfectant and allow disinfectant to evaporate. (Appropriate disinfectant for nylon Velcro should be determined by the hospital.)

BIANNUAL CHECKLIST

——— All fasteners secure (reference all assembly prints)
——— Siderails move and lock properly
——— All casters lock with brake pedal engaged
——— Fowler crank operating properly
——— Knee Gatch crank operating properly
——— Lift pedal operating properly
——— Trendelenberg/Reverse Trendelenberg pedals operating properly (page 5 or 8).
——— Weigh system operating properly (page 15 – 20).
——— Battery charger operating properly
——— Head and foot boards secure in frame ends
——— No cracks or splits in head and foot boards
——— I.V. pole operating properly
——— Oxygen bottle holder operating properly
——— Emergency drop Fowler operating properly
——— No rips or cracks in mattress cover
——— Restraint straps and mounting points intact and secure
——— No leaks at hydraulic connections
——— No hoses worn, kinked or leaking
——— Hydraulic oil level sufficient (page 5).
——— Fowler slide tracks well greased (use MPG2 Dubois or equivalent)
——— Fowler slides are securely in tracks
——— Lexan securely fitted – no cracks
——— No cables worn, frayed or pinched
——— All electrical connections tight
——— All grounding cables secure to frame

Serial No._____

_____

_____

_____

_____

Completed By:_____ Date:_____

Service Information

MECHANICAL TROUBLESHOOTING

PROBLEM/SYMPTOM	SOLUTION(S)
Litter will not lower with foot pedals depressed.	Adjust valve control linkage rods (page 8).
Litter will not lift when foot pedal pumped.	Add hydraulic fluid (page 5). Bleed air from hydraulic system (page 5). Change pump pedal cylinder(s).
Litter ”drifts”.	Bleed air from hydraulic system (page 5). Adjust valve control linkage (page 8). Check for leaking hoses or fittings and replace. Disconnect hose from affected jack, install cap on fitting and watch for drift to determine if jack is faulty. If jack is O.K., replace the manifold assembly.
Steer wheel doesn’t engage or disengage properly.	Adjust steer wheel linkage (page 7). Replace tension spring.
Emergency Drop Fowler doesn’t crank to full 90 degrees.	Follow instructions on label located by emergency drop cable to reset crank system.

ELECTRICAL TROUBLESHOOTING

PROBLEM/SYMPTOM	SOLUTION(S)
Weigh system won’t turn on.	Check weigh system lockout switch. Check voltage from batteries. TP1 (ground) to TP2 should be 18–20 VDC with the power switch turned on. Check weigh system switch board. Replace CPU board (page 18 & 19).
Weigh system shuts off prematurely.	Check connections on all weigh cables. Check individual load cells (page 15 & 16). Replace scale CPU board (page 18 & 19).
Weigh system readings not accurate.	Check all load cells for physical binding on litter top. Check individual load cells in diagnostic mode (page 15 & 16). Check calibration of load cells (page 17 & 18). Replace scale CPU board (page 18 & 19).
Trend/Fowler LED board not working.	Check power to LED board. TP1 (ground) to TP3 should be 5 VDC (+/– .3) with the power switch on.
LED Trend/Fowler position lights not accurate.	Check potentiometer positions on litter pots and Trend/Fowler display board (page 13 & 14).

HYDRAULIC DESCENT RATE ADJUSTMENT

The descent rate of either end of the bed can be adjusted by turning the needle valves on the manifold assemblies located on the base of the bed. To access the manifold assemblies, lift and support the foot end of the hood assembly (see page 6). To slow the jack descent rate, turn the needle valve clockwise. To increase the jack descent rate, turn the needle valve counterclockwise.

NOTE

The descent rate was preset at the factory.

BLEEDING AIR FROM THE HYDRAULIC SYSTEM

Raise the litter to full up using the lift pedal and continue to pump 10–12 times after full up is reached. Lower the bed using the foot pedals. While continuing to hold the foot pedals down, pump the lift pedal an additional 10–12 times. Repeat the procedure 2–3 times or until the bed motion is smooth and the pedal action is firm.

CHECKING HYDRAULIC OIL LEVEL

1. Lift and support the base hood (see page 6). The hydraulic oil reservoir is located at the foot end of the bed on the patient's left.
2. With all cylinders full up, assure the hydraulic oil is at the required level as indicated on the reservoir.
3. If replacement oil is required, use Mobil Aero HFA or Mobil Aerex 903 hydraulic oil (Stryker part number 2020–70–475).
4. Replace the base hood (see page 6).

BASE HOOD REMOVAL AND REINSTALLATION

Required Tools:

Phillips Head Screwdriver

5/32” Ball Driver

Bungee Cords or String

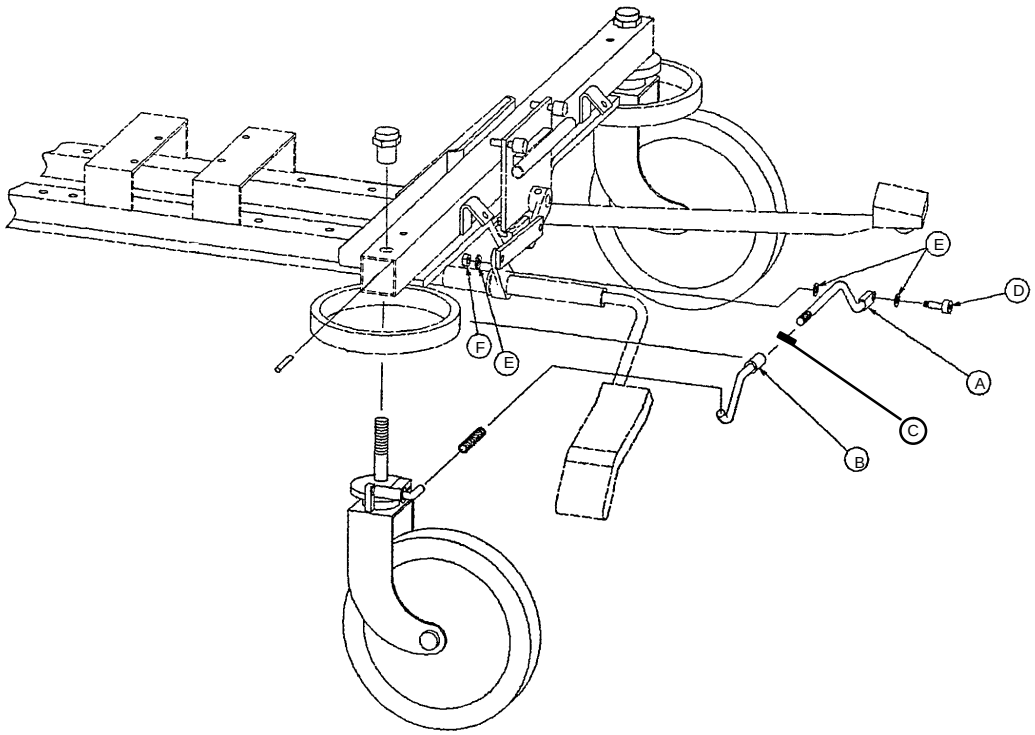
Procedure:

1. Raise bed to full up.
2. Remove four Phillips head screws holding hood to base assembly and separate velcro that secures hood to base tubes.
3. Secure hood to litter using bungee cords, string, etc. so that bed servicing can be easily performed.
4. If more room is needed for service, bellows can be raised above plastic bellows cap. Using a 5/32” Ball driver, remove two Allen bolts holding bellows cap to jack and remove bellows cap.
5. To reinstall hood after bed service has been completed, remove whatever was used in step 3 to secure hood to litter and place hood back in correct position on base assembly.
6. Reinstall four Phillips head screws that hold hood to base assembly and press down on hood to secure velcro holding hood to base tubes.
7. Put bellows and bellows cap onto jack cylinder. Be sure to install caps into ”cutout” groove in jack cylinder. Reinstall Allen bolts removed in step four and tighten.
8. Put first pleat at top of bellows around bellows cap and tuck bottom of bellows into base hood.

STEER CASTER LINKAGE ADJUSTMENT

Tools Required:

Phillips Head Screwdriver
5/32” Allen Wrench
3/8” Open End Wrench
1/2” Open End Wrench



Adjustment Procedure:

1. Lift up and support base hood (see page 6).
2. Using a 5/32” Allen wrench and 3/8” open end wrench, remove items (D), (E) and (F).
3. Using a 1/2” open end wrench, loosen jam nut (C).
4. Tighten item (A) into item (B) for more lever engagement or away from item (B) for less engagement.
5. To reassemble linkage, reverse steps 2 and 3.
6. Check steering wheel engagement. When properly adjusted, the locking tab should clear the notch in the steer caster when in the neutral position, and should fully engage when in steer.
7. After proper adjustment is determined, reinstall base hood.

HYDRAULIC VALVE/RELEASE PEDAL/SPRING ADJUSTMENT

Required Tools:

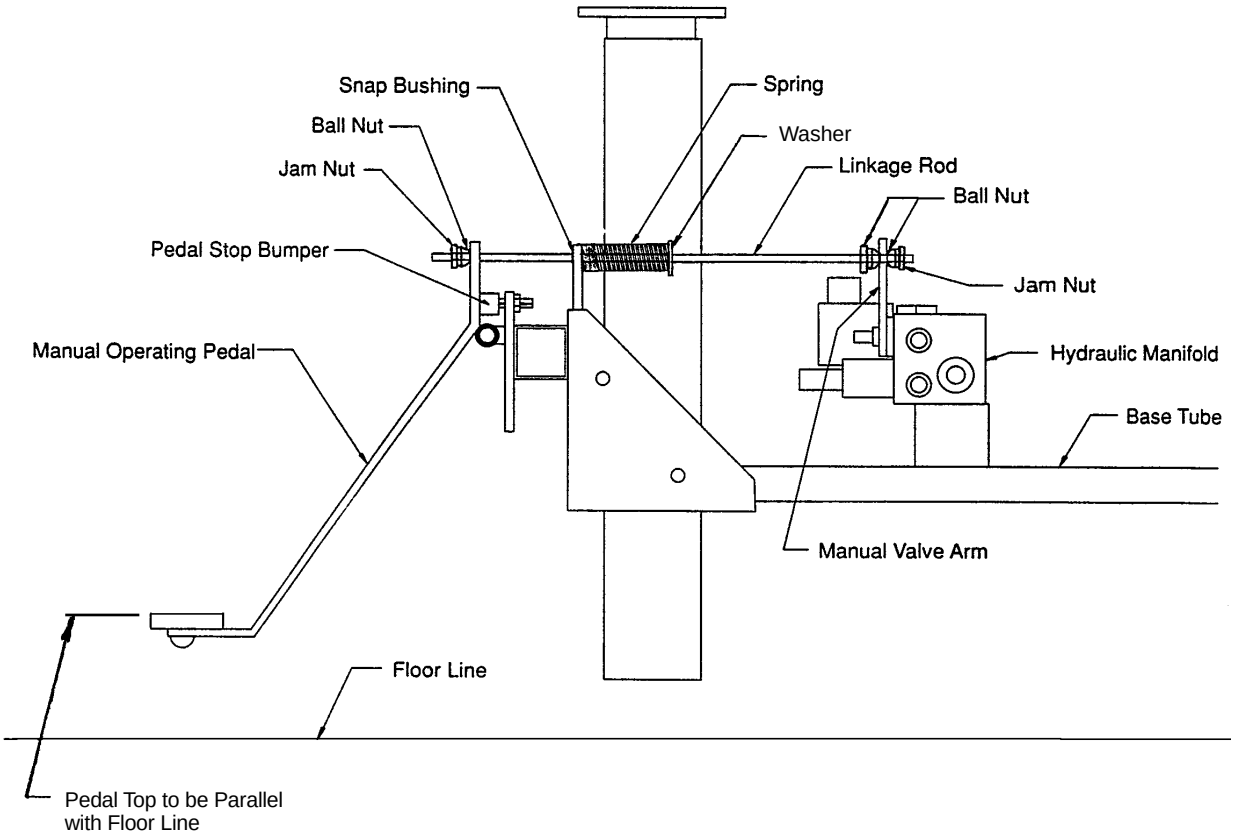
3/8” Open End Wrench (2)

7/16” Open End Wrench

Phillips Head Screwdriver

Adjustment Procedure:

1. Lift and support base hood (see page 6).
2. Using a 7/16” open end wrench, adjust pedal stop bumper so that top of pedal is parallel with floor. The pedal should not be able to raise above this point.
3. After pedal stop bumper has been adjusted properly, manual valve should be closed and litter should stay firm.
4. If litter does not stay firm, adjustments to the linkage will be required.
5. Depress the pedal to the floor and be sure the return spring is completely bottomed out. If it is not, use both 3/8” open end wrenches to adjust the ball nut at the pedal end of the linkage rod. Retighten the ball and jam nut.
6. Release the pedal and adjust the ball nut at the manual valve arm so that there is approximately 1/16 inch freeplay between the valve arm and the ball nut. Retighten the ball and jam nut.
7. Reinstall the base hood (see page 6).



FRAME END REMOVAL – FOOT END

If service is required on the electronic portions of the bed, it may be necessary to remove the frame end at the foot end of the bed.

Required Tools:

Phillips Screwdriver

Removal Procedure:

1. Using the Knee Gatch crank, move Knee Gatch to full up.
2. Remove foot board from receptacles.
3. Using Phillips head screwdriver, remove two Phillips head screws located on front of frame end on frame end metal bumper.
4. Slowly lift up on frame end at footboard receptacle area and lay frame end on foot of Knee Gatch

CAUTION

Do not lift frame end quickly, electrical cables are attached to frame end.

5. To replace frame end after service is complete, reverse steps 4–2.

REPLACING TREND/FOWLER DISPLAY OPTION BATTERIES

The Trend/Fowler display option is powered by 3 ”D” size (1.5 V) alkaline batteries. The batteries are located under the foot end frame end. To replace the batteries, remove the foot end frame end (page 9). Disconnect the power cable and replace batteries – be sure to note polarity of battery placement on battery holder. The batteries will need to be replaced when the Trend/Fowler LED angle indicators appear dim.

NOTE

The system power switch under the frame end at the foot end of the bed must be on for the Trend/Fowler display to light. If the bed is not equipped with a weigh system, there will not be a power switch and the switch on the keypad must be pressed.

CHARGING WEIGH SYSTEM BATTERIES

CAUTION

Do not charge batteries while they are on the bed.

Required Tools:

Phillips Screwdriver

Procedure:

1. Using Fowler crank, move Fowler up.
2. Remove headboard from receptacles.
3. Using Phillips screwdriver, remove the two Phillips head screws located on front of frame end on frame end metal bumper.
4. Slowly lift up on frame end at head board receptacle area and lay frame end out of the way.
5. Disconnect the three power cables and remove each battery from the bed by pulling up.
6. Place the battery in an upright position and attach the charger.
7. After batteries have been fully charged, reinstall into the bed.
8. Reconnect the three cables and install the frame end.

* If the batteries are allowed to drain to zero power, it will take 16 hours to completely charge them.

NOTE

When the low battery indicator light on the keypad first lights, there is still enough power to operate the weigh system for approximately one week.

STATIC DISCHARGE PRECAUTIONS

The electronic circuits in the 2010/2011 are completely protected from static electricity damage only while the bed is assembled. It is extremely important that all service personnel always use adequate static protection when servicing the electronic systems of the 2010/2011. *Whenever you are touching wires, you should be using static protection.*

Static Protection Equipment

The necessary equipment for proper static protection is:

- 1 static wrist strap; 3M part number 2214 or equivalent,
- 1 grounding plug; 3M part number 61038 or equivalent,
- 1 test lead with a banana plug on one end and an alligator clip on the other; Smith part number N132B699 or equivalent.

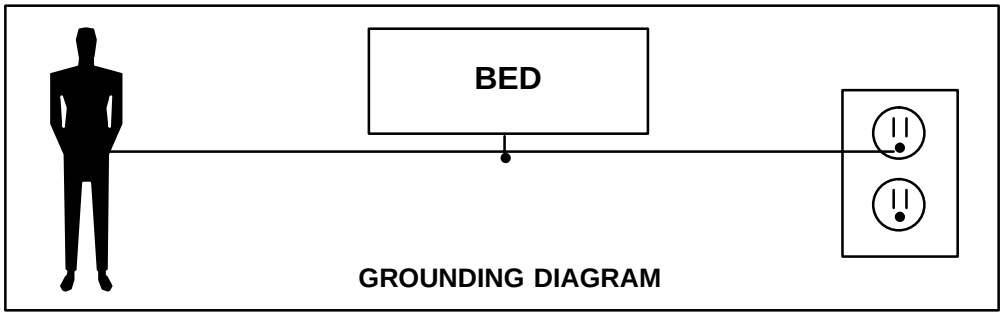
CAUTION

All electronic service parts will be shipped in static shielding bags. Do not open the bags until you have completed the following procedure. Do not place unprotected circuit boards on the floor. All circuit boards to be returned to Stryker Medical should be shipped in the static shielding bags the new boards were shipped in.

Static Protection Procedure

1. Insert the grounding plug into a properly grounded hospital grade wall receptacle. Plug the banana plug of the test lead into the receptacle on the grounding plug. Connect the alligator clip on the other end of the test lead to the ground chain of the bed.

2. Place the static control wrist strap on your wrist. Connect the alligator clip at the other end of the wrist strap cord to the ground chain of the bed.



GROUNDING DIAGRAM

SWITCH BOARD (SYSTEM ON) AND/OR SCALE DISPLAY/KEYBOARD REPLACEMENT

Required Tools:

Phillips Screwdriver
1/4” Nut Driver

Replacement Procedure:

1. Properly ground yourself (see page 11 for static discharge precautions).
2. Remove the foot end frame end from the litter (page 9).
3. Carefully remove the cable attached to the board.
4. Using a 1/4” nut driver, remove the four nuts holding the board to the frame end and remove the defective board.
5. Install new board and reattach the 4 nuts and cable.
6. Replace the frame end.
7. Check all operations before returning the bed to service.

TREND/FOWLER DISPLAY BOARD REPLACEMENT

Required Tools:

Phillips Screwdriver
Small (Jeweler’s) Screwdriver
1/4” Nut Driver

Replacement Procedure:

1. Properly ground yourself (see page 11 for static discharge precautions).
2. Remove the foot end frame end from the litter (page 9).
3. Carefully remove the 3 cables attached to the board.
4. Using a 1/4” nut driver, remove the four nuts holding the board to the frame end and remove the defective board.
5. Install new board and reattach the 4 nuts and cable.
6. Important: follow the alignment procedure on page 13.
7. After completing the alignment procedures, replace frame end.
8. Check all operations before returning the bed to service.

TREND/FOWLER DISPLAY BOARD ALIGNMENT

Required Tools:

3/32 Allen Wrench
Inclinometer or Protractor
Red Lacquer
Digital VOM, Fluke 77 or Equivalent
Small Needle–Nosed Pliers
Thread Lock Compound
Jumper
Flat Blade Jeweler's Screwdriver or Potentiometer Adjustment Tool

FOWLER DISPLAY ALIGNMENT PROCEDURE:

Mechanical Alignment of the Fowler Pot Shaft

NOTE
The Fowler potentiometer shaft is located under the litter midsection on the patient's right side.

1. Loosen set screws securing Fowler pot shaft to linkage arm.
2. Using Fowler crank, lower the Fowler to flat (0 degrees).
3. Unplug the Fowler pot cable. Using a digital VOM, measure the resistance between the green and black wires. Using small needle–nosed pliers, turn the Fowler pot so that the resistance is 75 ohms +/– 3 ohms.
4. Tighten the set screws on the Fowler pot shaft and recheck the resistance measurement. Readjust as required.
5. Reconnect the Fowler pot cable assembly.

CAUTION

The material of the potentiometer shaft is brass and care should be taken not to tighten the set screws too firmly. Once all the calibrations are complete and the system is set, the set screw can be tightened securely.

Electrical Alignment of the Fowler Display Board

1. Complete the mechanical alignment procedure above.
2. Raise Fowler fully (90 degrees).
3. Remove foot end frame end. Turn bed power on and position frame end so the Fowler angle display is visible.

NOTE
The system is normally powered by a momentary button. To power the system continuously, place a jumper from the cathode of D1 to the R8–R4 node.

4. Adjust R5 on the display board so that the 90 degree Fowler LED is on. Adjust R5 back and forth so that it is positioned in the center of the range that keeps the 90 degree LED on (normally 1 1/2 turns past the point when the 90 degree LED comes on).
5. Raise and lower the Fowler while checking the angle with an inclinometer. Adjust R5 as required for angle accuracy. The resistance of the Fowler pot when the Fowler is at 90 degrees is approximately 417 ohms (reference only).

When all calibration is complete, secure all set screws with thread lock compound and paint the potentiometer adjustment slot (R5) with red lacquer.

TREND/FOWLER DISPLAY BOARD ALIGNMENT (CONTINUED)

TREND DISPLAY ALIGNMENT PROCEDURE:

Mechanical Alignment of the Trend Pot Linkage

NOTE

The Trend potentiometer linkage is located under the frame end at the patient's head, on the left side.

1. Loosen set screws securing Trend pot shaft to linkage arm.
2. Using the foot pedals, raise the bed fully and level the litter to 0 degrees.
3. Unplug the trend pot cable assembly and measure the resistance between the green and black wires. Adjust the pot, using a jewellers screwdriver, to approximately 86 ohms (+/– 3 ohms). Secure set screws and check resistance. Readjust as required.

Electrical Alignment of the Trend Display Board

1. Complete the mechanical procedure above.
2. Using the foot pedals, raise the bed fully and put the litter into full Trendelenberg (head down).
3. Remove foot end frame end. Turn bed power on and position frame end so the Trend angle display is visible.

NOTE

The system is normally powered by a momentary button. To power the system continuously, place the jumper from the cathode of D1 to the R8–R4 node.

4. Adjust R1 on the display board so that the +12 degree LED is on. Adjust R1 back and forth so that it is positioned in the center of the range that keeps the +12 degree LED on. Normally this is 1 turn past when the +12 degree LED is first on.
5. Position bed at various trend angles and check the angle with an inclinometer. Adjust R1 as required for accuracy of the LED lights. The resistance measurement for 0 degrees is 86 ohms. For +12 degrees, the measurement is 129 ohms and for –12 degrees it is 46 ohms (reference only).

When all calibration is complete, secure all set screws with thread lock compound and paint the potentiometer adjustment slots (R1 and R5) with red lacquer.

SCALE SYSTEM DIAGNOSTICS AND SERVICE

Diagnostic Mode Functions:

1. **Download Barcode:** This is a factory set–up mode and is not used in the field.
2. **Calibrate Scale:** This may be required in the field if replacement of several load cell assemblies or of the scale CPU is required. Replacement of a single load cell assembly does not normally require this procedure.
3. **Change LBS/Volts:** This is required whenever a load cell assembly or a scale CPU is changed in the field.
4. **Change Ref. Volts:** This is a factory set–up mode and is not used in the field.
5. **Init. to Defaults:** This may be required in the field when replacing the scale CPU board.
6. **Display Corner:** This function displays the individual corner weights for each load cell assembly and can be used to isolate a defective load cell.
7. **Serial Option (If so equipped):** This enables the scale system remote display port.
8. **Quit/Save:** This exits the diagnostic mode. Changes made in the diagnostic mode (with the exception of Calibrate Scale) must be saved in permanent memory using this function. Quitting without saving will reset all variables to their previous values, as will switching off bed power without using the save function.

Diagnostic Mode:

1. To enter diagnostic mode, remove power from the scale system by switching the scale power switch toward the foot of the bed.
2. Press and **hold down** the LBS/KGS key.
3. While still holding the LBS/KGS key, switch the scale power switch toward the head of the bed.
4. After two seconds, release the LBS/KGS key. The scale monitor should read DOWNLOAD BARCODE. The diagnostic mode is now active.

Special Key Functions in the Diagnostic Mode:

1. The four keys on the left side of the green scale key grouping function as **POSITION** keys, corresponding with the four corners of the bed litter. Whenever the scale monitor displays ”PICK CORNER NOW”, press one of these keys to select the load cell assembly at the desired corner.
   a. ZERO BED = Head end, patient’s right side.
   b. ZERO/GAIN LOSS = Foot end, patient’s right side.
   c. CHANGE EQUIP. START = Head end, patient’s left side.
   d. CHANGE EQUIP. FINISH = Foot end, patient’s left side.

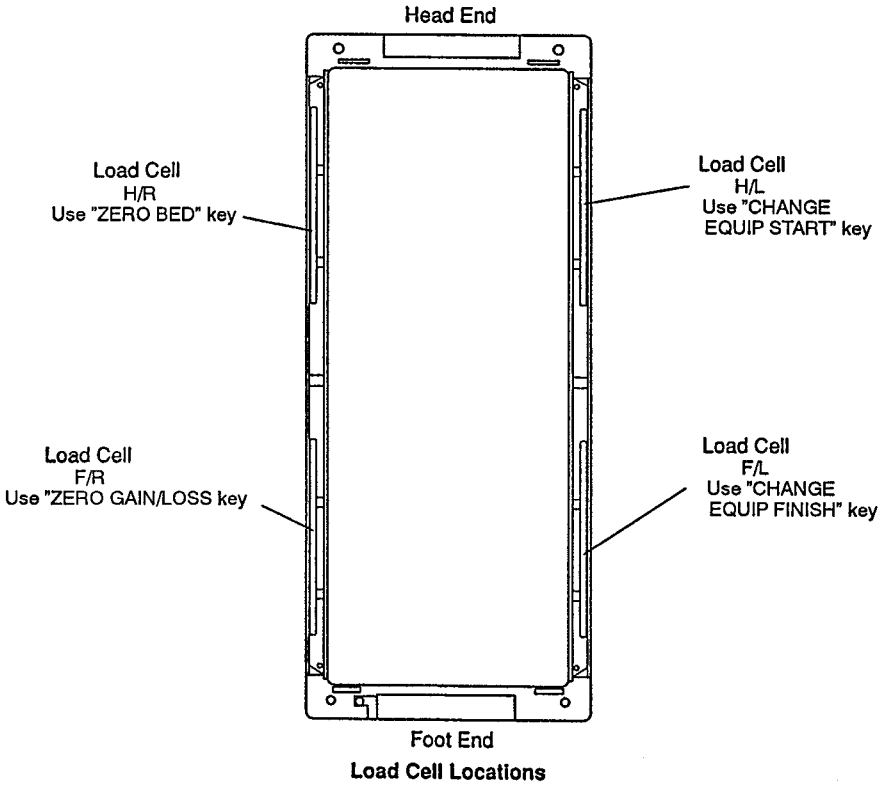
Displaying Individual Load Cell Outputs:

A faulty load cell can be detected by entering diagnostics and displaying individual load cell outputs.

1. Enter the diagnostic mode. The scale monitor will display DOWNLOAD BARCODE when the diagnostic mode is active.
2. Press and release LBS/KGS until the scale monitor displays DISPLAY CORNER.
3. Press and release WEIGHT SYSTEM ON. The scale monitor should display PICK CORNER NOW.
4. Press and release the position key that corresponds with the load cell to be checked. The scale monitor should display XX=NNN.N. ”XX” represents the initials of the selected corner, i.e. H/R will be displayed for the patient’s head end, right side. ”NNN.N” represents the actual weight load on the load cell.
5. Repeat step four for each corner. Head end weight readings will normally be lower than foot end weights. Weight readings should be constant. A jumpy, drifting 000.0 or 999.9 weight indicates a problem with the selected load cell assembly or load cell cable.

Displaying Individual Load Cell Outputs (Continued):

6. When all the load cell outputs have been checked, press and release WEIGHT SYSTEM ON.
7. Press and release LBS/KGS until the scale monitor displays QUIT/SAVE.
8. Press and release WEIGHT SYSTEM ON. The scale monitor should shut off after one second.



Load Cell Locations

Replacing a Load Cell:

Required Tools:

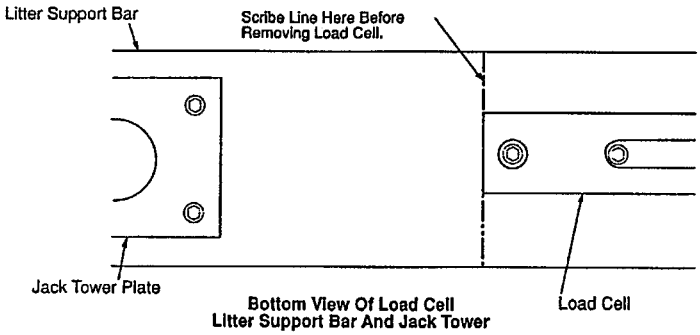
3/16” Allen Socket
Saw Horse(s)
5/64” Allen Wrench
10 Ft. Lb. Torque Wrench
3M Static Protection
Pencil

Replacement Procedure:

1. Properly ground yourself (see page 11 for static discharge precautions).
2. Using a 5/64” Allen wrench, remove the two cap screws holding the plastic cover to the load cell mounting block.
3. Disconnect the cable from the load cell.

Load Cell Replacement Procedure (Continued):

4. Using a pencil, draw a line on the underside of the litter crossbar along the end of the load cell mounting block to use for reference when installing the new load cell (see illustration).



Bottom View Of Load Cell Litter Support Bar And Jack Tower

5. Using blocks, sawhorses, etc., support the litter under the frame end at the end of the bed where the load cell is being removed.
6. Using a 3/16 Allen socket, remove the two cap screws holding the load cell assembly to the litter support bar.
7. Pull the load cell out of the mounting block. Do not lose the nylon spacer between the load cell and the stop pin. It is used with the new load cell.

NOTE

Metal shims are used when shipping new load cell assemblies. Remove and discard these shims after installing the new load cell.

8. Install the new load cell being sure to have the strain gauge facing down. The strain gauge should be visible through the slot in the load cell mounting block or the scale readings will be incorrect.
9. Line up the end of the load cell mounting block with the line drawn on the underside of the litter crossbar. Install the two cap screws and tighten them to 8–10 foot–pounds torque.
10. Connect the cable to the weigh board and reattach the plastic cover to the load cell mounting block. The new bar codes must now be entered in the memory.

Entering New Load Cell Bar Codes:

1. Enter diagnostic mode. The scale monitor will display DOWNLOAD BARCODE when the diagnostic mode is active. Press and release LBS/KGS two times. The scale monitor should display CHANGE LBS/VOLTS. Press and release WEIGHT SYSTEM ON. The scale monitor should display PICK CORNER NOW. Press and release the position key that corresponds with the replaced load cell. For example, if the patient's head end, right side load cell has been replaced, press and release the ZERO BED key.
2. Using the LBS/KGS key to position the brackets around the digit that is to be changed and using the LOCK/UNLOCK key to change the bracketed digit, change the displayed number to match the number printed on the new load cell assembly's bar code. For example, the scale monitor might display H/R LV= <8>7811. Assuming the new load cell assembly bar code label reads L92101, the procedure to change the displayed number would be as follows:

a. Press and release LOCK/UNLOCK one time. The scale monitor should display H/R LV=<9>7811.

b. Press and release LBS/KGS one time. The scale monitor should display H/R LV=9<7>811.

c. Press and release LOCK/UNLOCK one time. The scale monitor should display H/R LV=9<8>811. Repeat this step four more times, until the display reads H/R LV=9<2>811.

d. Press and release LOCK/UNLOCK one time. The scale monitor should display H/R LV=92<8>11.

e. Press and release LBS/KGS three times. The scale monitor should display H/R LV=92<1>11.

f. Press and release LOCK/UNLOCK one time. The scale monitor should display H/R LV=921<1>1.

g. Press and release LBS/KGS nine times. The scale monitor should display H/R LV=921<0>1.

Entering New Load Cell Bar Codes (Continued):

3. Press and release WEIGHT SYSTEM ON. The scale monitor should display PICK CORNER NOW.
4. Press and release WEIGHT SYSTEM ON. The scale monitor should display CHANGE LBS/VOLTS.
5. Press and release LBS/KGS until the scale monitor displays QUIT/SAVE.
6. Press and continue to hold WEIGHT SYSTEM ON until the scale monitor displays HOLD TO SAVE and then displays SAVE COMPLETE. Remember, the save function must be completed or the numbers will reset to the previous values.
7. Release WEIGHT SYSTEM ON. The scale monitor will go blank in one second. The scale system will now operate normally. Check the weigh system accuracy before returning the bed to service.

Replacing Scale CPU:

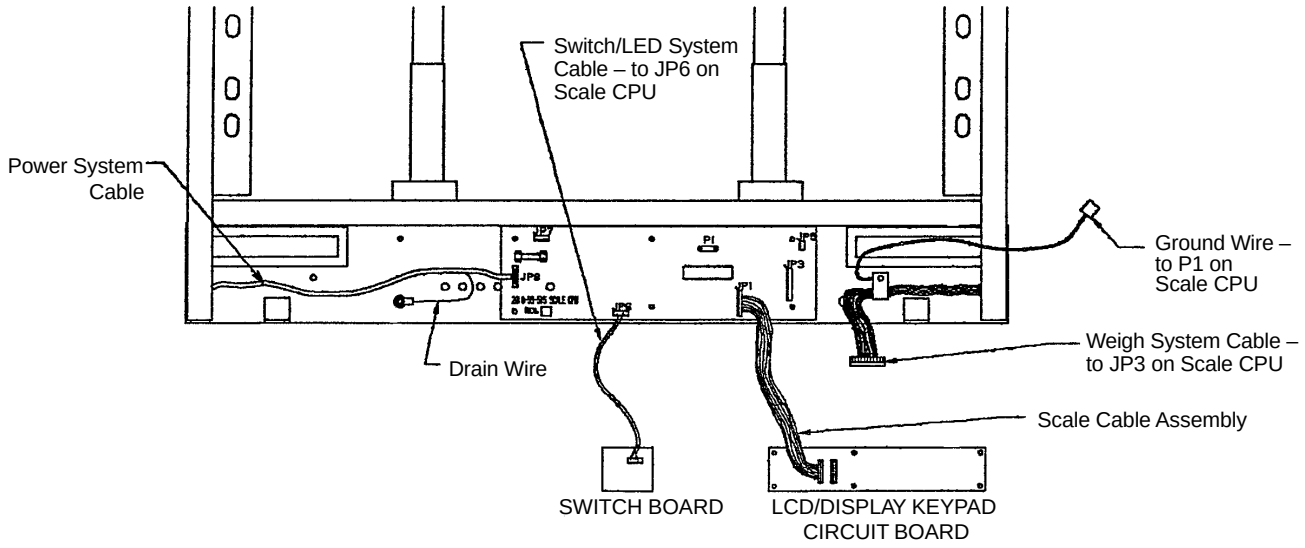
Required Tools:

Phillips Head Screwdriver

Small Screwdriver

Replacement Procedure:

1. Properly ground yourself (see page 11 for static discharge precautions).
2. Remove the foot end frame end from the litter (see page 9 for instructions).
3. Remove the connectors from the scale CPU circuit board (see illustration). Note the orientation and placement of the connectors so they will be attached properly to the new scale CPU board.



4. Using a small screwdriver, remove the six screws holding the scale CPU board and carefully remove the CPU board from the spacers on the litter computer plate.
5. Place the new scale CPU board over the spacers and reinstall the four screws.
6. Attach the connectors to the scale CPU board. Be sure to orient the connectors properly.

Replacing Scale CPU (Continued):

7. Reinstall the frame end (see page 9).
8. Place the new CPU board in diagnostics mode.
9. Press and hold LBS/KGS until the scale monitor displays INIT TO DEFAULTS.
10. Press and continue to hold WEIGHT SYSTEM ON until the scale monitor displays HOLD TO CHANGE and then displays DEFAULTS ENTERED.
11. Press and release LBS/KGS until the scale monitor displays CHANGE LBS/VOLTS.
12. Follow the steps outlined previously under "Entering New Load Cell Bar Codes" to enter the bar code numbers for all four load cells. It is not necessary to SAVE after each entry. Instead, at step 3, when the monitor displays PICK CORNER NOW, select another corner with the proper position key. After all four corners have been entered, SAVE the results as described in steps 5 and 6. DO NOT FORGET TO SAVE OR THE NUMBERS WILL HAVE TO BE ENTERED AGAIN!!
13. Turn on the scale system and zero the bed, following the displayed instructions.
14. Place a known weight on the center of the bed; the heavier the better, and no less than 25 pounds. The displayed weight should be within 1% of the actual weight.
15. If the displayed weight is not accurate, use the following procedure to calibrate the scale:
    a. Remove the weight from the bed place the scale CPU in diagnostics mode.
    b. Press and release LBS/KGS until the scale monitor displays CALIBRATE SCALE.
    c. Press and hold WEIGHT SYSTEM ON. Zero the bed, following the displayed instructions. When the bed is zeroed, the scale monitor should display REF X100=<2>000.
    d. The displayed number must now be changed to match the known weight (from step 15) times 100. For example, if you weighed yourself on a known good scale and you weigh 192.4 pounds, you would change the REF number to equal 19240. Change the REF number using the procedure outlined previously under "Replacement of Load Cell Assemblies" i.e., use the LBS/KGS key to position the brackets around the digit needing to be changed, and the "LOCK/UNLOCK" key to change the bracketed digit.
    e. After the number is corrected, press and release WEIGHT SYSTEM ON. The scale monitor should display ADD LBS, HIT ON.
    f. Place the weight used previously on the center of the bed and press and hold WEIGHT SYSTEM ON. The scale monitor should display RELEASE TO CAL.
    g. Release WEIGHT SYSTEM ON. The scale monitor should display DO NOT TOUCH BED. Don't touch the bed. When calibration is complete, the scale monitor should display CALIBRATE SCALE.
    h. Press and release LBS/KGS until the scale monitor displays QUIT/SAVE.
    i. Press and release WEIGHT SYSTEM ON. The scale monitor should shut off after one second.
    j. Installation is now complete. Re–zero the empty bed and check the scale accuracy with the weight used previously.

Activating/Deactivating Serial Option Mode:

To enter the serial option mode:

1. Enter the diagnostic mode. The scale monitor will display DOWNLOAD BARCODE when the diagnostic mode is active.
2. Press and release LBS/KGS six times. The scale monitor should display SERIAL OPTION.
3. Press and release WEIGHT SYSTEM ON. The scale monitor should display SERIAL PORT ON or SERIAL PORT OFF depending on the current set–up.
4. Press and release LOCK/UNLOCK one time to toggle the Serial Port option on or off.
5. Press and release WEIGHT SYSTEM ON. The scale monitor should display SERIAL OPTION.
6. Press and release LBS/KGS until the scale monitor displays QUIT/SAVE.

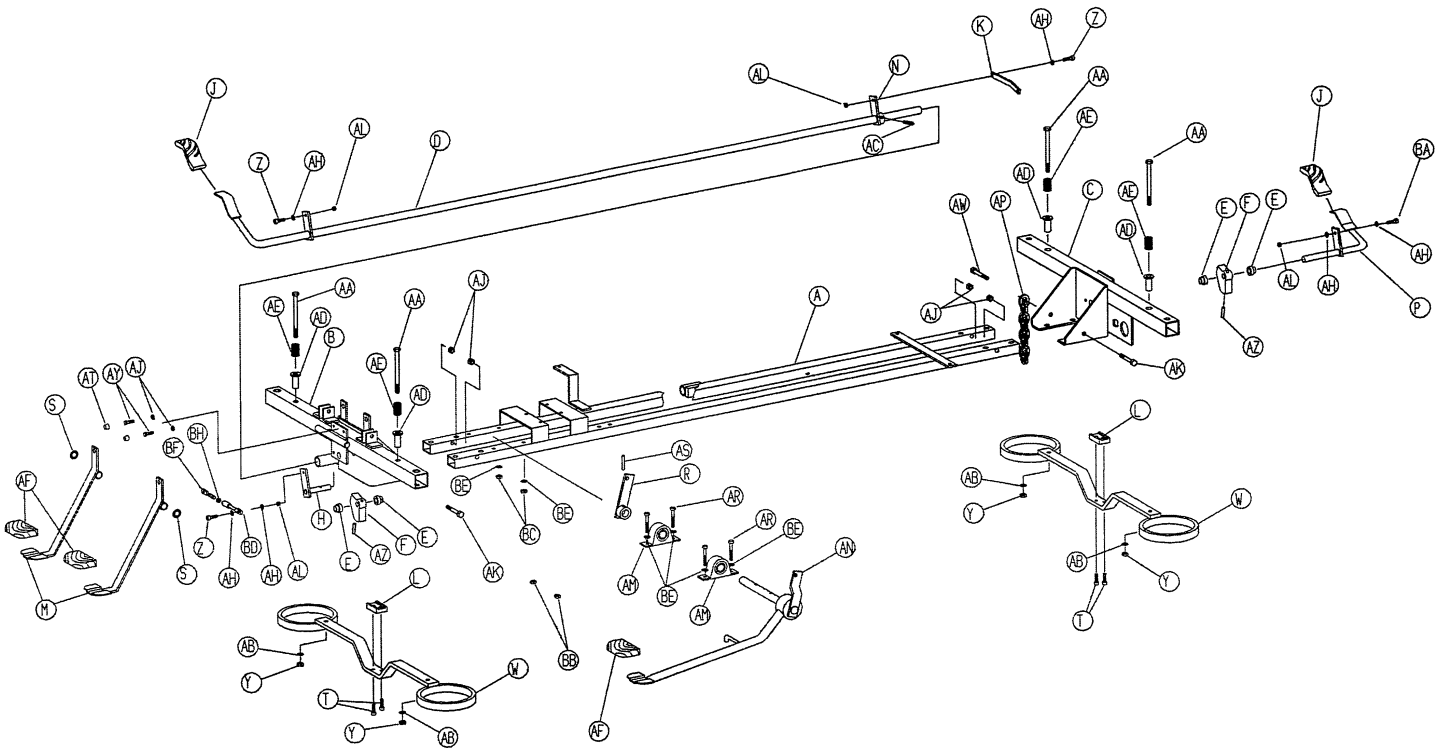
Activating/Deactivating Serial Option Mode (Continued):

7. Press and hold WEIGHT SYSTEM ON. The scale monitor should display HOLD TO SAVE. Continue to hold WEIGHT SYSTEM on until the scale monitor displays SAVE COMPLETE.
8. Release WEIGHT SYSTEM ON. The scale monitor will go blank after one second. The scale system will now operate normally.

Serial Port Parameters

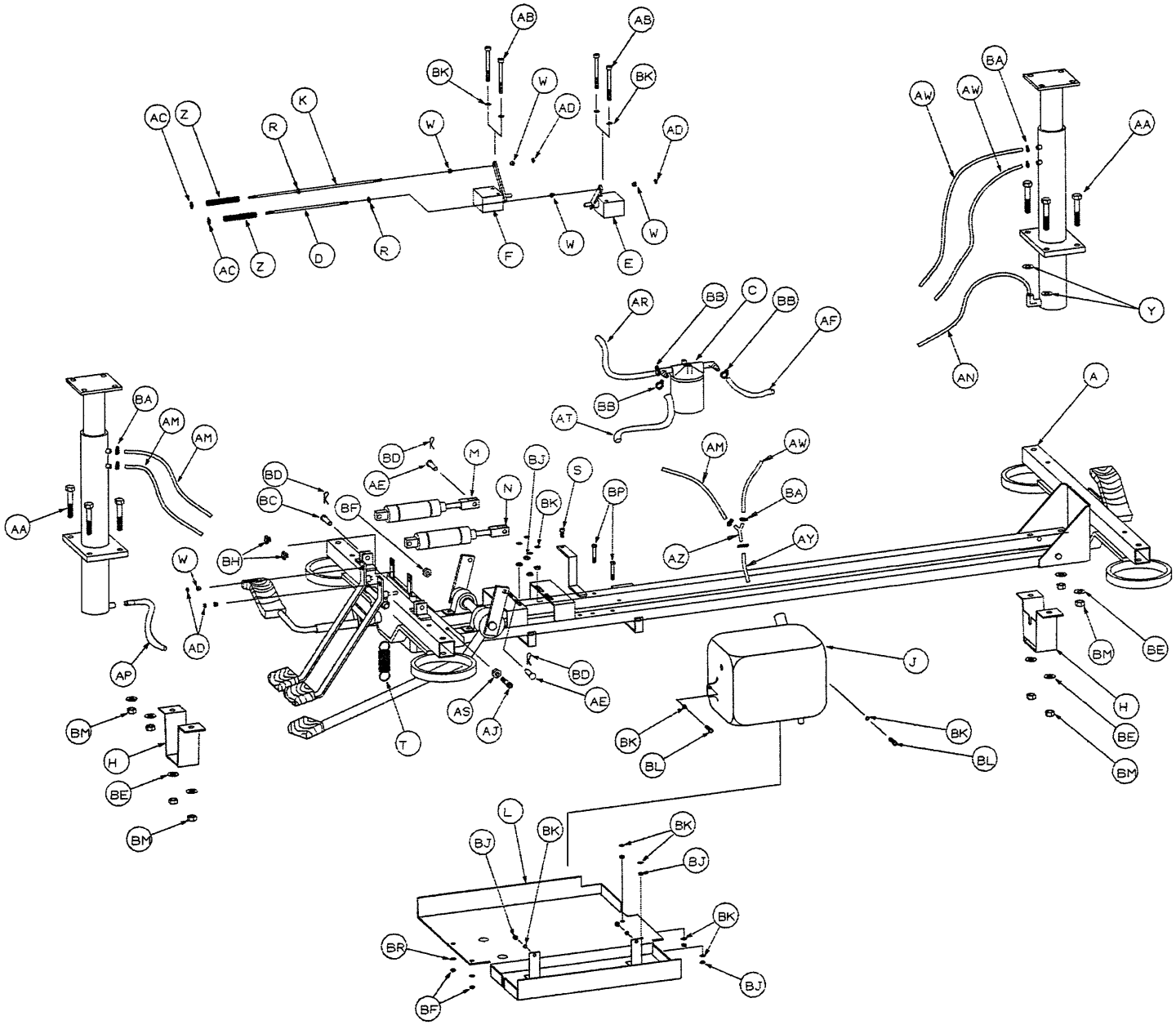
1. Normal bed function is not affected by the serial port, although some key response delays may be noted when the serial port option is on. When on, the serial port transmits continuously whether the scale monitor is on or off. Transmission pauses during ZERO BED, ZERO GAIN/LOSS, or CHANGE EQUIPMENT functions.
2. Default serial port mode is 9600 Baud, no parity, 8 data bits, 1 stop bit. Default string terminator is CR/LF. Transmitted data is identical to that displayed on the scale monitor.
3. Data transmit rate default is the same as the bed weight sample rate, or approximately once per second. Sample rate will vary slightly with the weight on the bed, and will slow down when the scale monitor is on. No handshake is provided, although the transmit rate is variable with some port options.

2010–1–210 Base Assembly



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	2222–1–217	Base Tube Assembly	1	AD	938–1–75	Guide, Brake Shaft	4
B	2020–1–270	Caster Tube Ass'y, Ft.	1	AE	38–97	Spring	4
C	2020–1–271	Caster Tube Ass'y, Hd.	1	AF	721–40–25	Pedal	3
D	2020–1–394	Brake Rod Ass'y, Foot	1	AH	14–2	Washer	8
E	958–1–231	Cam Bushing	4	AJ	16–6	Kep Nut	6
F	2020–1–389	Cam, Machined	2	AK	3–67	Hex Hd. Cap Screw	3
H	2020–1–386	Brk. Arm & Shaft Ass'y	1	AL	16–2	Fiberlock Nut	4
J	716–1–275	Brake Pedal	2	AM	2020–1–268	Pillow Block Bearing	2
K	2020–1–390	Brake Arm Conn. Link	1	AN	2020–1–366	Pump Bar & Shaft Ass'y	1
L	2020–1–358	Cam Pad	2	AP	390–1–176	Grounding Chain	1
M	2020–1–370	Pedal Lever Ass'y	2	AR	3–68	Hex Hd. Cap Screw	4
N	715–1–165	Actuator Plate Ass'y	1	AS	26–169	Groove Pin	1
P	2020–1–395	Hd. End Brake Rod	1	AT	37–11	Neoprene Cap	2
R	2020–1–250	Cylinder Oper. Lever, Rt.	1	AW	3–79	Hex Hd. Cap Screw	1
S	28–56	Retaining Ring	2	AY	3–4	Hex Hd. Cap Screw	2
T	4–9	Soc. Hd. Cap Screw	4	AZ	26–196	Groove Pin	2
W	2020–1–357	Brake Bar Assembly	2	BA	8–21	Shoulder Bolt	1
Y	16–12	Flexlock Nut	4	BB	15–22	Hex Nut	2
Z	8–17	Shoulder Bolt	3	BC	16–36	Nylock Nut	4
AA	3–87	Hex Hd. Cap Screw	4	BD	2020–46–225	Brake Link Ass'y	1
AB	11–4	Flat Washer	4	BE	11–193	Flat Washer	10
AC	26–14	Roll Pin	1	BF	2020–46–228	Threaded Brake Link	1
				BH	15–32	Jam Nut	1

2010–70–210 Hydraulics Base Assembly

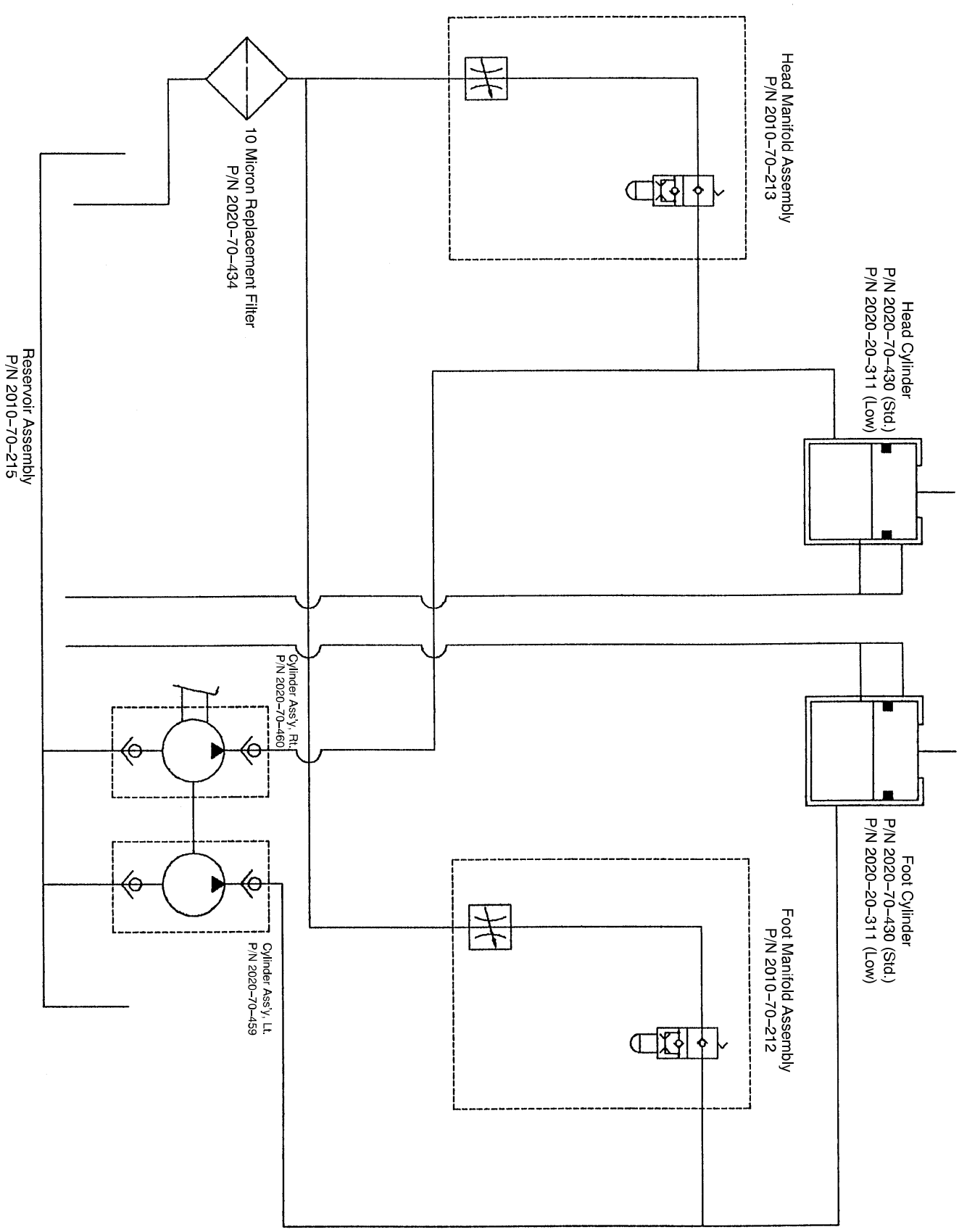


2010–70–210 Hydraulics Base Assembly

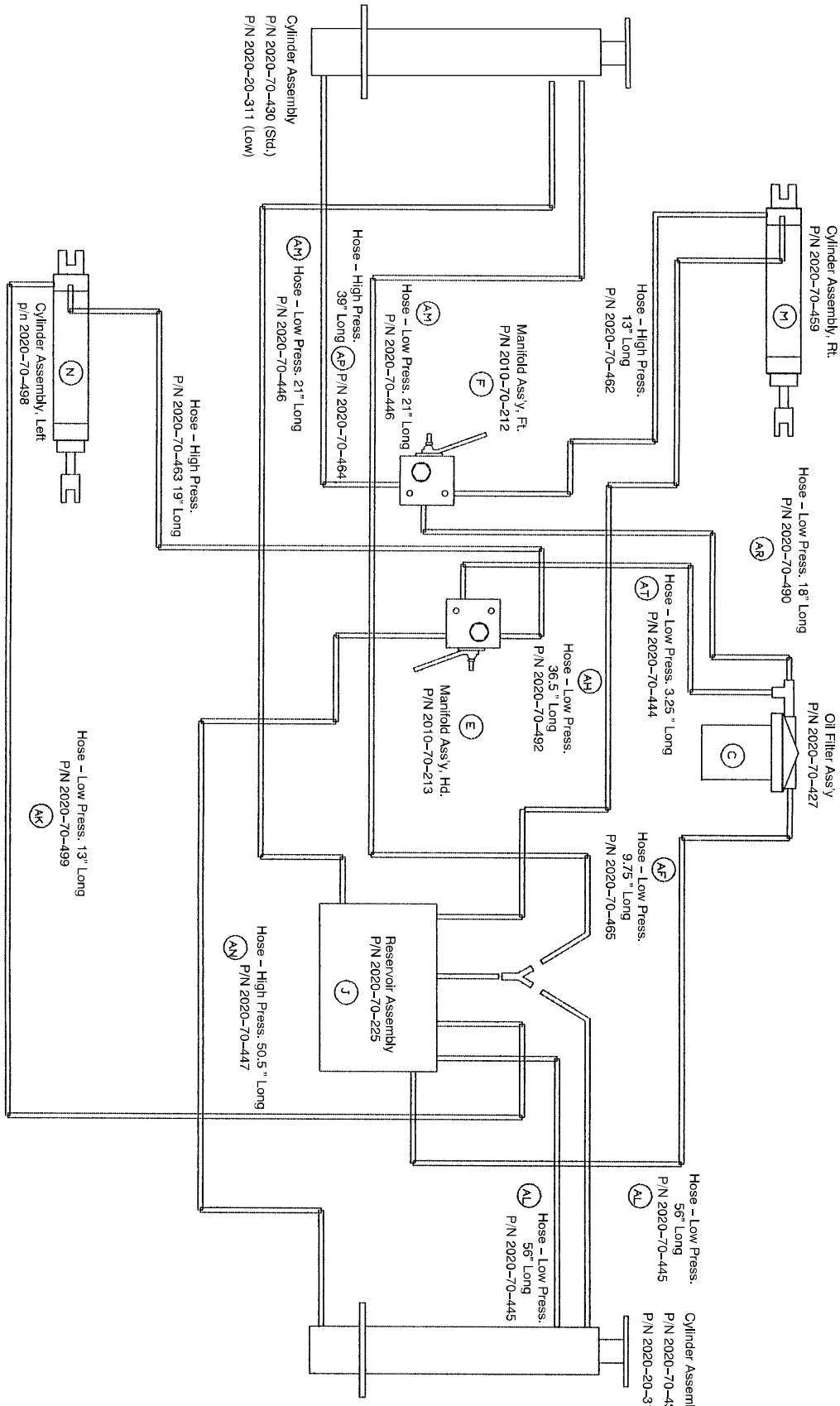
Item	Part No.	Part Name	Qty.
A	(page 21)	Base Assembly	1
B	2020–70–430*	Cylinder Assembly	2
C	2020–70–495	Oil Filter Assembly	1
D	2020–1–297	Linkage Bar, Short	1
E	2010–70–212	Manifold Ass'y, Foot	1
F	2010–70–213	Manifold Ass'y, Head	1
H	2020–1–346	Fitting Guard Ass'y	2
J	(page 25.1)	Reservoir Assembly	1
K	2020–1–298	Linkage Bar, Long	1
L	2020–70–479	Hydraulics Pan Ass'y	1
M	2020–70–459	Cylinder Ass'y, Right	1
N	2020–70–498	Cylinder Ass'y, Left	1
P	2020–1–323	Spacer	2
R	11–134	Washer	2
S	3–75	Hex Hd. Cap Screw	2
T	38–223	Extension Spring	1
W	2020–1–265	Modified Nut	6
Y	11–33	Shim Washer	6
Z	38–210	Compression Spring	2
AA	3–71	Hex Hd. Cap Screw	8
AB	3–23	Hex Hd. Cap Screw	4
AC	11–1	Washer	2
AD	15–4	Hex Nut	4
AE	26–131	Clevis Pin	2
AF	2020–70–465	Hydraulic Hose	2
AH	2020–70–492	Hydraulic Hose	1
AJ	3–84	Hex Hd. Cap Screw	1
AK	2020–70–499	Hydraulic Hose	1
AL	2020–70–445	Hydraulic Hose	2
AM	2020–70–446	Hydraulic Hose	2
AN	2020–70–447	Hydraulic Hose	1
AP	2020–70–464	Hydraulic Hose	1
AR	2020–70–490	Hydraulic Hose	1
AS	15–22	Jam Nut	1
AT	2020–70–444	Hydraulic Hose	1
AY	958–70–461	Hydraulic Hose	1
AZ	48–84	Y–Connector	1
BA	38–182	Hose Clamp	12
BB	38–192	Hose Clamp	14
BC	26–132	Clevis Pin	2
BD	27–9	Hair Pin Cotter	4
BE	11–14	Washer	8
BF	16–11	Fiberlock Nut	3
BH	52–79	Snap Bushing	2
BJ	16–28	Fiberlock Nut	8
BK	11–2	Washer	16
BL	4–9	Soc. Hd. Cap Screw	2
BM	16–40	Fiberlock Nut	8
BN	15–12	Nut	4
BP	3–5	Hex Hd. Cap Screw	2
BR	11–193	Washer	2
BS	16–11	Washer	2

*When Low Height Bed option is present, use p/n 2020–20–311, cylinder assembly, qty. 2.

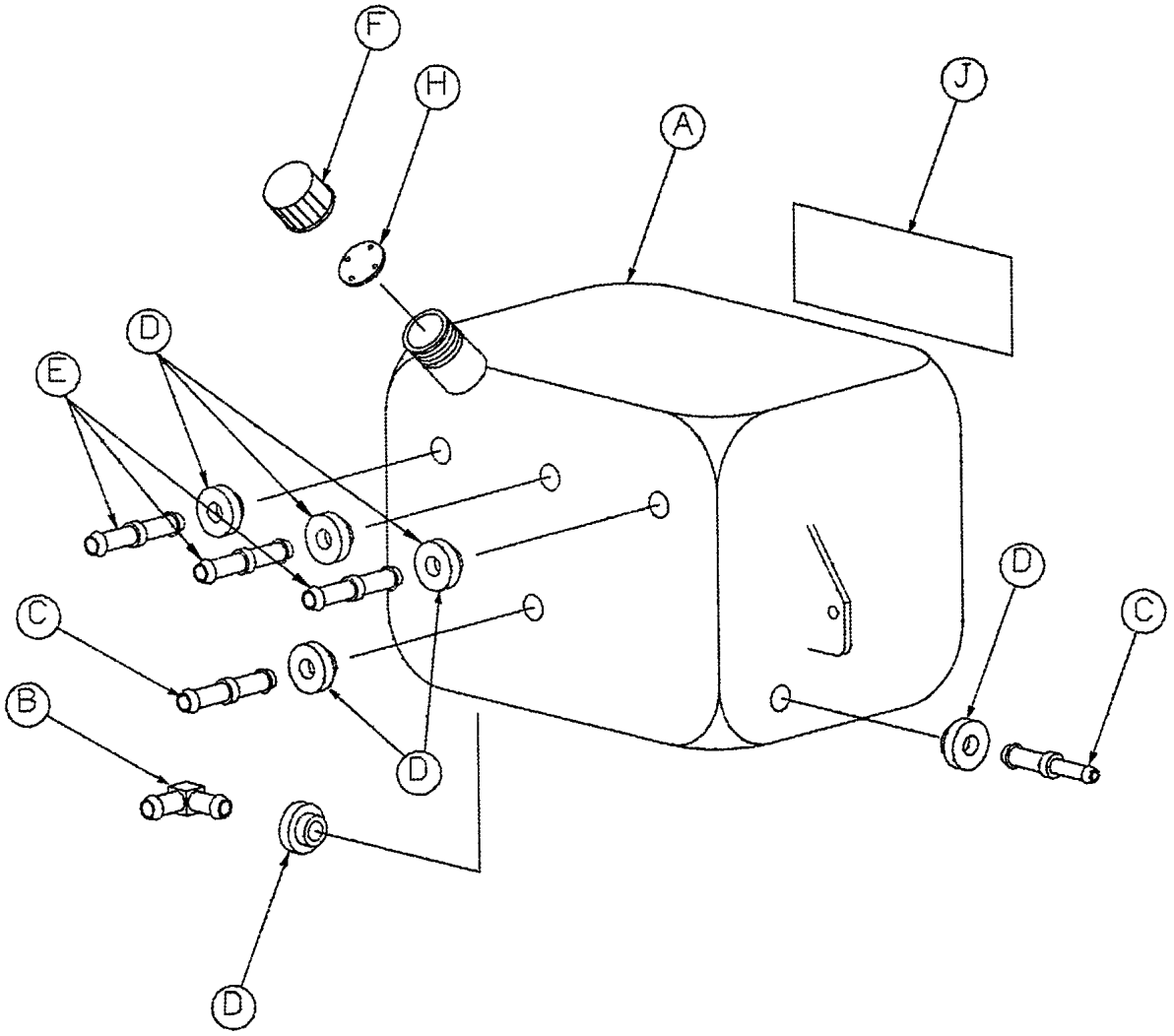
2010–70–210 Hydraulics Base Assembly



2010–70–210 Hydraulics Base Assembly

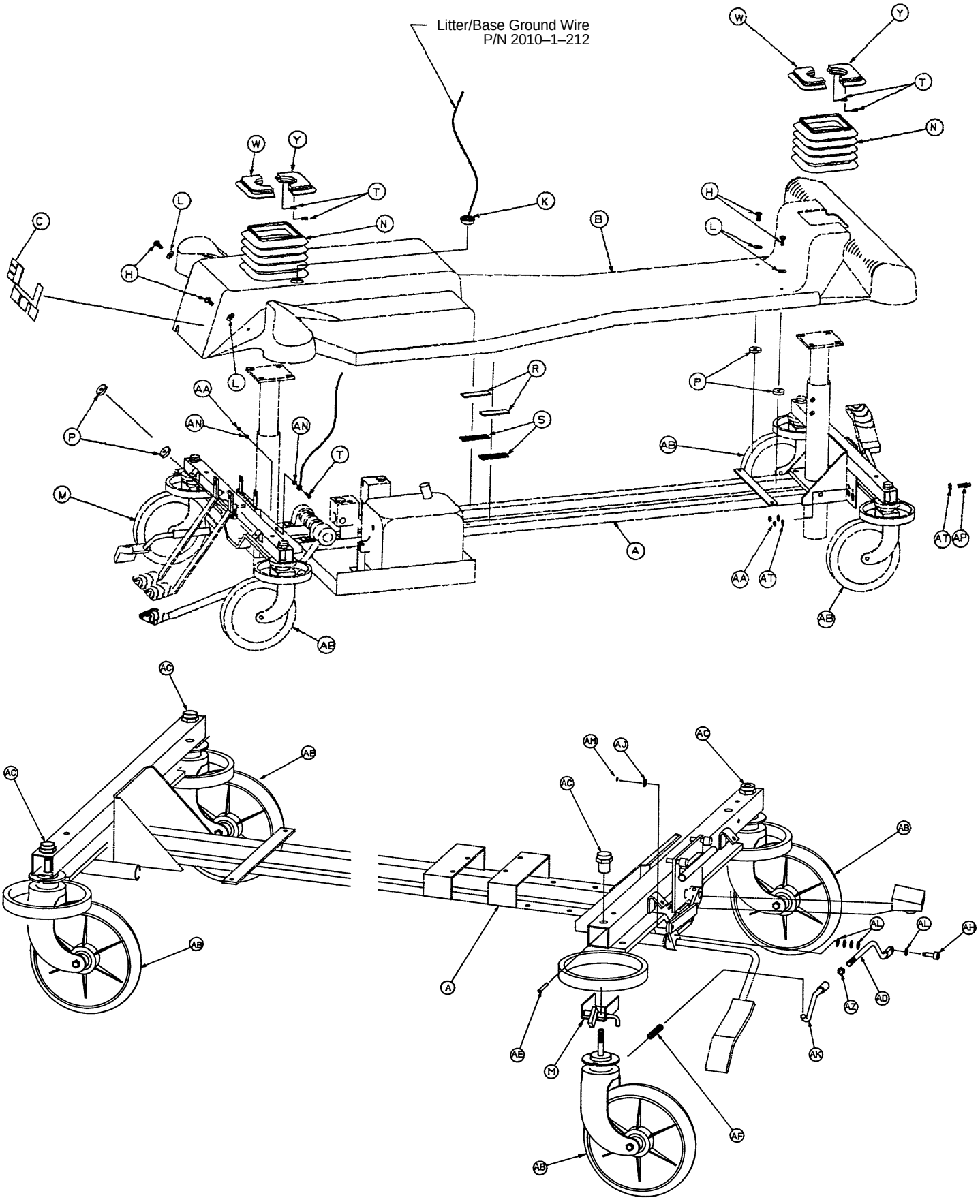


2010–70–236 Hydraulic Reservoir Assembly



Item	Part No.	Part Name	Qty.
A	2010–70–226	Reservoir	1
B	48–123	Bushed Mount Elbow	1
C	48–96	Straight Threadless Connector	2
D	48–92	Bushing	6
E	48–93	Straight Threadless Connector	3
F	37–48	Cap	1
H	45–35	Gasket	1
J	2020–70–437	Label	1

2010–1–310 Hood, Base and Caster Assembly

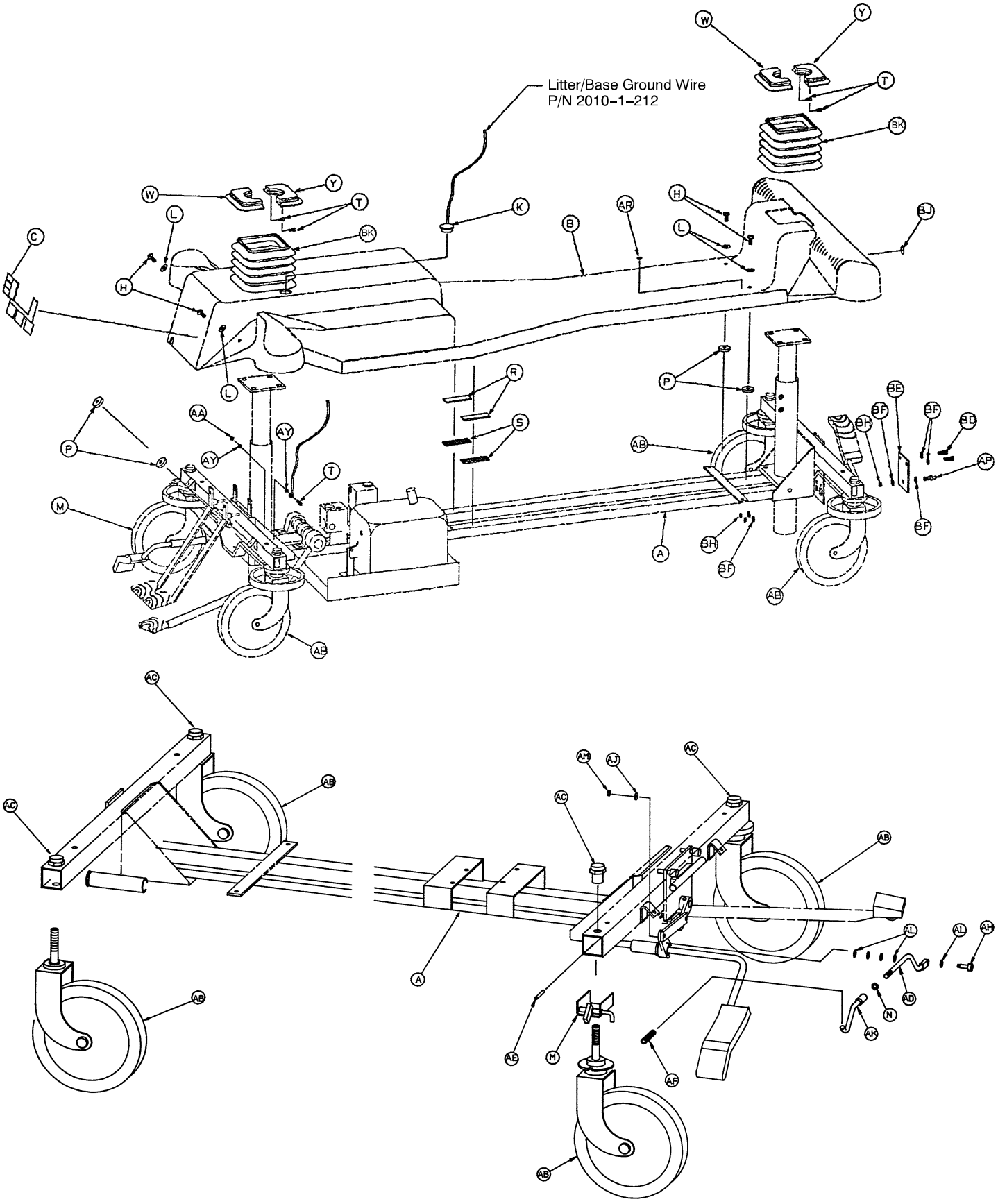


2010–1–310 Hood, Base and Caster Assembly

Item	Part No.	Part Name	Qty.
A	(page 22–25)	Hydraulics Base Ass'y	1
B	2020–1–213	Hood Assembly	1
C	2010–1–101	Label, Foot End	1
D	2020–1–135	Label, Brake/Steer, Hd.	1
E	2010–1–102	Specification Label	1
F	2010–1–103	Label, Logo, Left	1
H	7–17	Truss Hd. Mach. Screw	4
J	946–1–60	Stryker Logo Label	2
K	2010–1–211	Hood Plug	1
L	11–221	Washer	4
M	1000–59–10	Steer Latch Assembly	1
N	*	Bellows	2
P	946–1–115	Grommet	4
R	29–7	Dual Lock	2
S	29–9	Dual Lock	2
T	4–8	Soc. Hd. Cap Screw	5
W	2020–1–352	Bellows Cap	2
Y	2020–1–350	Bellows Cap	2
Z	2010–1–104	Label, Logo, Right	1
AA	16–33	Fiberlock Nut	1
AB	946–1–276	Caster Assembly	4
AC	715–1–158	Caster Nut	4
AD	2020–46–218	Linkage Bar, Rt.	1
AE	26–5	Roll Pin	4
AF	38–211	Compression Spring	1
AH	8–21	Shoulder Bolt	1
AJ	14–4	Nylon Washer	1
AK	2020–46–215	Linkage Bar Ass'y	1
AL	14–2	Nylon Washer	5
AM	16–2	Fiberlock Nut	1
AN	13–18	Ext. Tooth Lock Washer	2
AP	2011–1–215	Grounding Lug	1
AT	13–38	Ext. Tooth Lock Washer	4
AW	2011–1–104	Label, Warning	1
AZ	15–32	Jam Nut	1
BA	2020–1–160	Date–of–Manufacture Label	1

* For a standard height base, use bellows part number 2020–1–275.
For a low height base, use bellows part number 958–1–214.

2011–1–310 Hood, Base and Caster Assembly

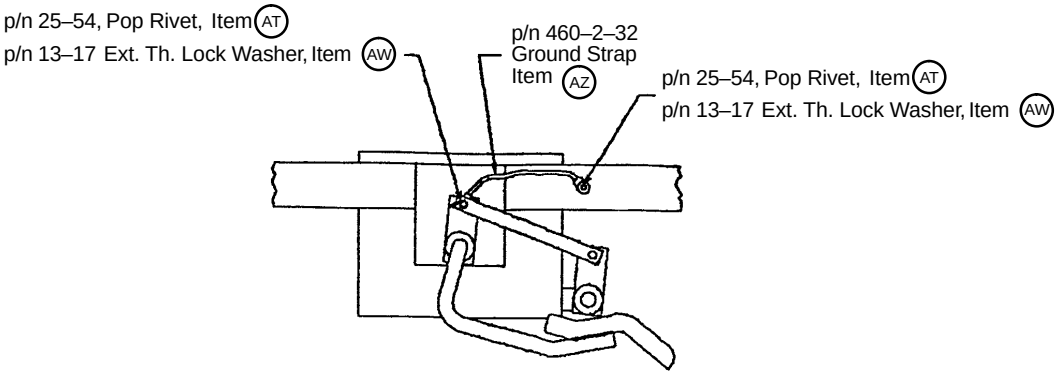


2011–1–310 Hood, Base and Caster Assembly

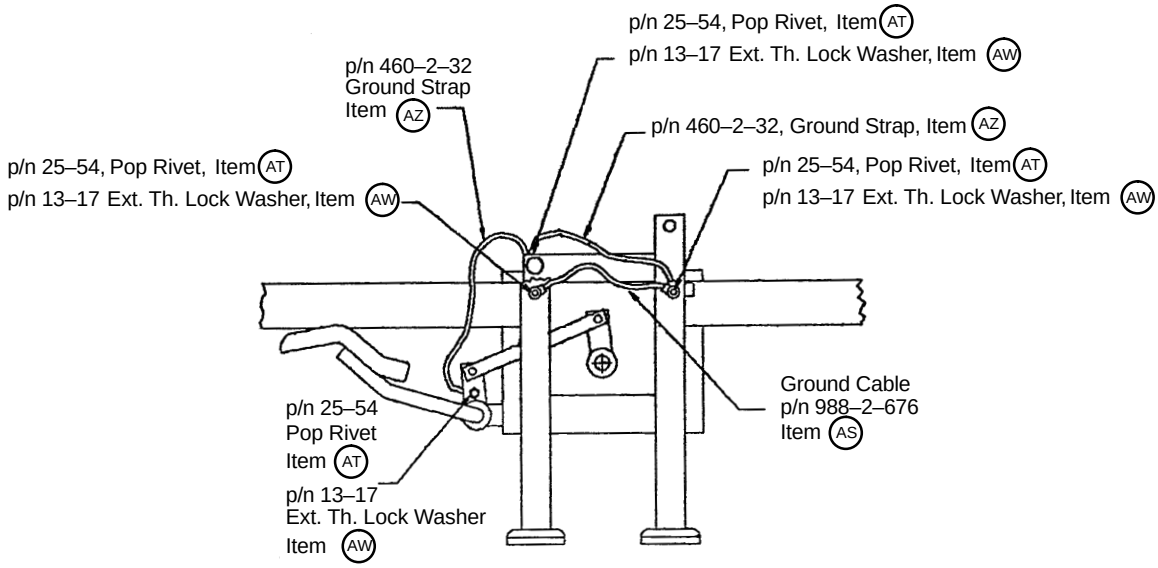
Item	Part No.	Part Name	Qty.
A	(page 22–25)	Hydraulics Base Ass'y	1
B	2020–1–213	Hood Assembly	1
C	2011–1–101	Label, Foot End	1
D	2011–1–110	Label, Brake/Steer, Hd.	1
E	2011–1–111	Specification Label	1
F	2011–1–102	Label, Logo, Left	1
H	7–17	Truss Hd. Mach. Screw	4
J	946–1–60	Stryker Logo Label	2
K	2010–1–211	Hood Plug	1
L	11–221	Washer	4
M	1000–59–10	Steer Latch Assembly	1
N	15–32	Jam Nut	1
P	946–1–115	Grommet	4
R	29–7	Dual Lock	2
S	29–9	Dual Lock	2
T	4–8	Soc. Hd. Cap Screw	5
W	2020–1–352	Bellows Cap	2
Y	2020–1–350	Bellows Cap	2
Z	2011–1–103	Label, Logo, Right	1
AA	16–3	Fiberlock Nut	1
AB	390–1–275	Caster Ass'y, Carpet	4
AC	715–1–158	Caster Nut	4
AD	2020–46–218	Linkage Bar, Rt.	1
AE	26–5	Roll Pin	4
AF	38–211	Compression Spring	1
AH	8–21	Shoulder Bolt	1
AJ	14–4	Nylon Washer	1
AK	2020–46–215	Linkage Bar Ass'y	1
AL	14–2	Nylon Washer	5
AM	16–2	Fiberlock Nut	1
AN	13–10	Ext. Tooth Lock Washer	2
AP	2011–1–215	Grounding Lug	1
AR	36–46	Grounding Label	1
AS	988–2–676	Grounding Cable	2
AT	25–54	Pop Rivet	5
AW	13–17	Ext. Tooth Lock Washer	5
AY	13–18	Ext. Tooth Lock Washer	4
AZ	460–2–32	Grounding Strap	2
BA	2010–1–160	Date–of–Manufacture Label	1
BB	2011–1–125	Label, GS	1
BC	2011–1–104	Label, Warning	1
BD	4–21	Soc. Hd. Cap Screw	2
BE	2010–1–213	Ground Lug Bracket	1
BF	13–38	Ext. Tooth Lock Washer	6
BH	16–33	Fiberlock Nut	3
BJ	36–115	Label	1
BK	*	Bellows	2

* For a standard height base, use bellows part number 2020–1–275.
For a low height base, use bellows part number 958–1–214.

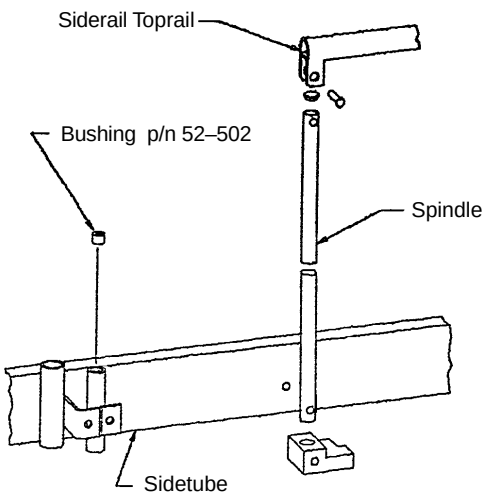
GROUNDING DIAGRAMS

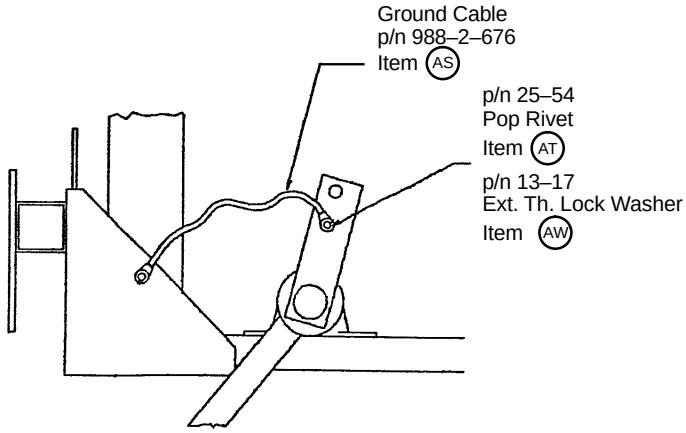


Head End Grounding Scheme on Brake Mechanism



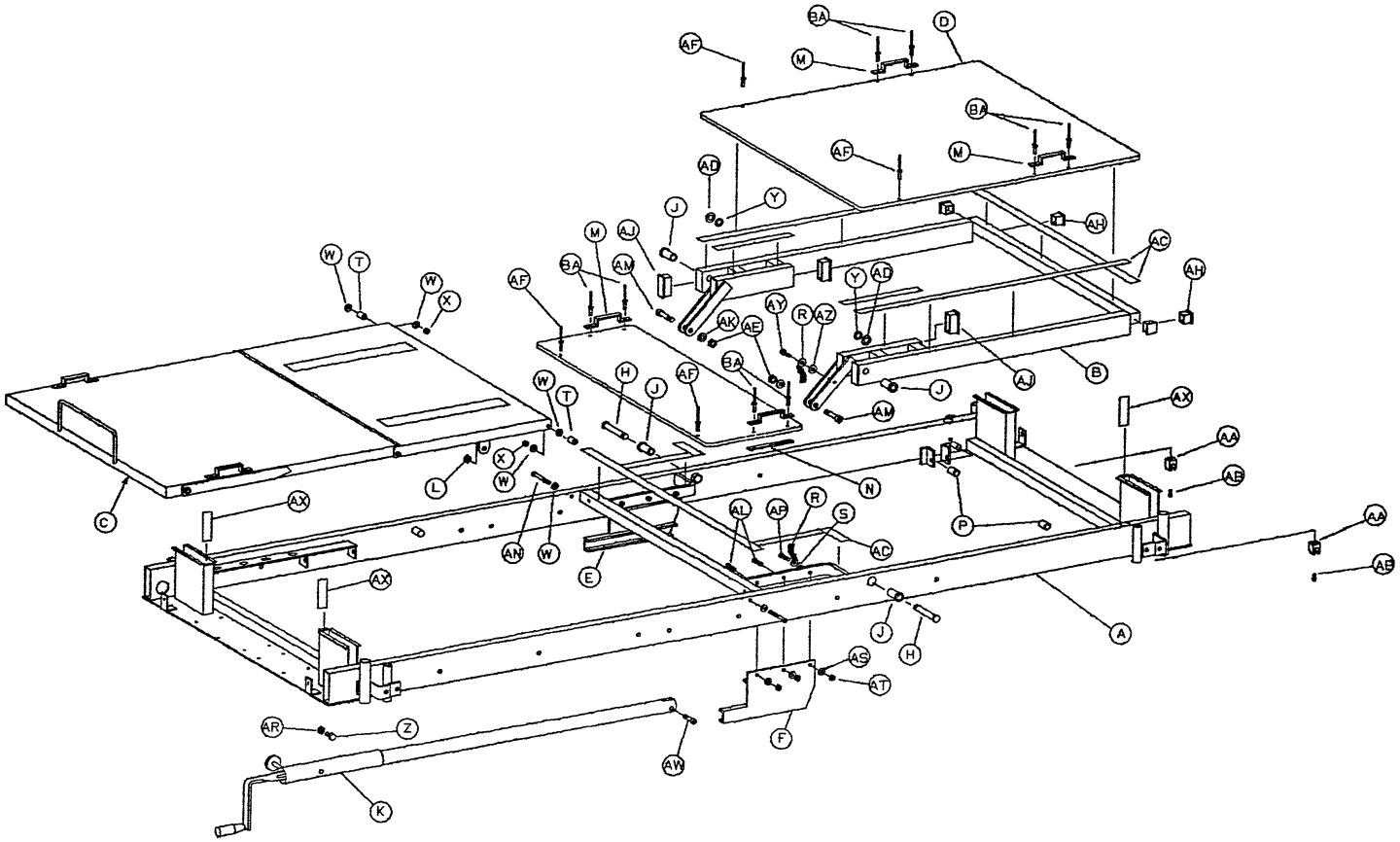
Foot End Grounding Scheme for Brake and Valve Pedal Mechanisms





Side View of Pump Lever Arm and Base Tube Gusset Grounding Scheme

2010–1–513 Basic Litter Assembly

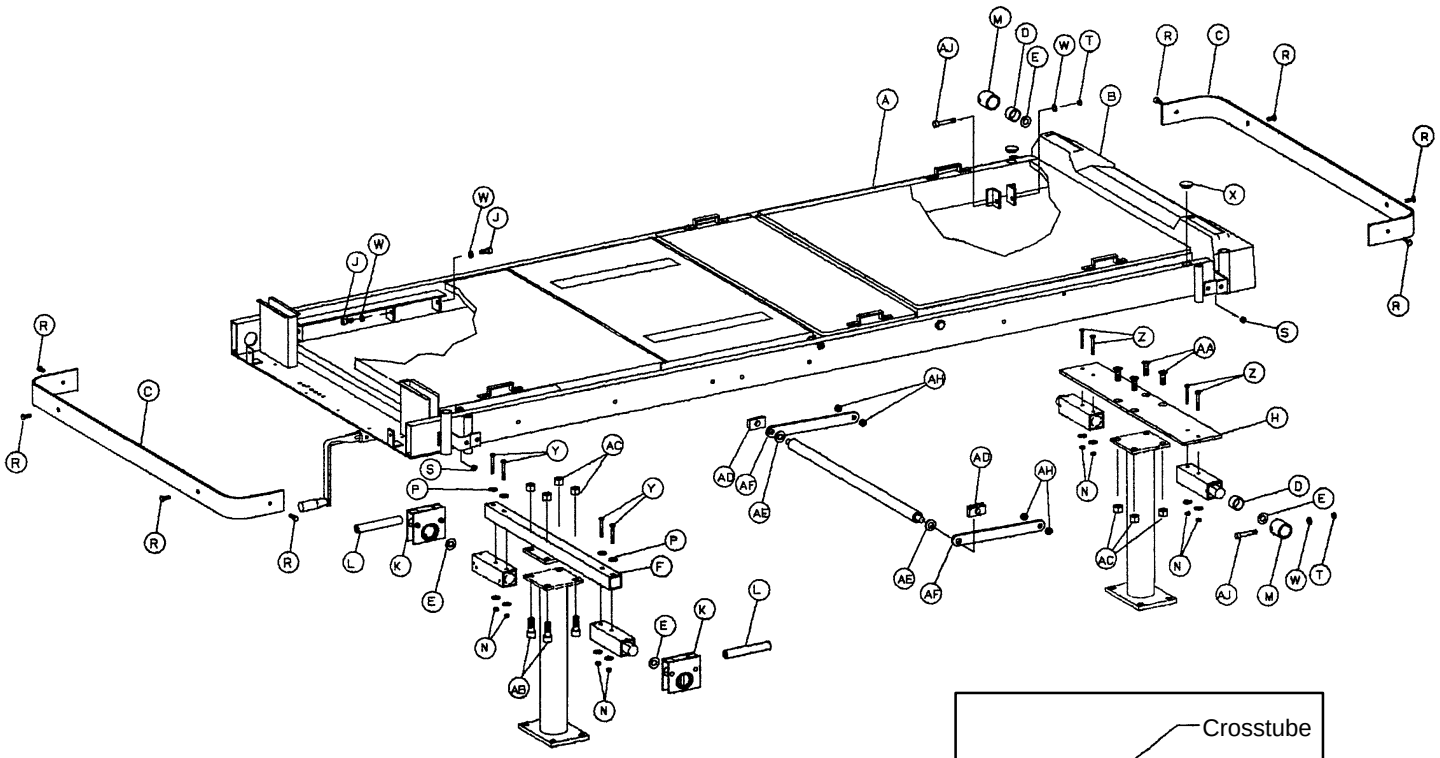


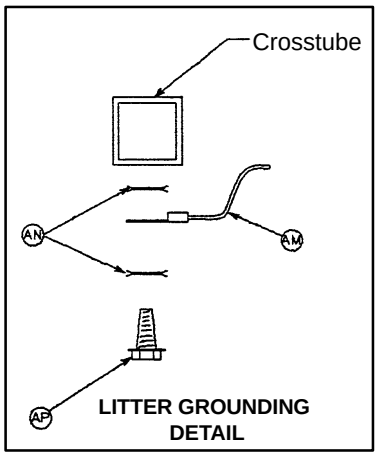
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	2020–1–518	Litter Frame Assembly	1	AA	946–1–108	I.V. Clip	2
B	*	Fowler Assembly	1	AB	23–64	Self–Tapping Screw	2
C	(page 46)	Gatch Assembly	1	AC	44–29	Dbl.–Sided Tape	12 Ft.
D	**	Fowler Skin, Lexan	1	AD	11–13	Washer	2
E	958–1–525	Fowler Slide, Right	1	AE	17–6	Acorn Nut	2
F	958–1–526	Fowler Slide, Left	1	AF	25–69	Pop Rivet	4
H	988–31–623	Fowler Retention Pin	2	AH	37–10	Hole Plug	2
J	988–31–624	Fowler Pivot Liner	2	AJ	37–49	Hole Plug	6
K	(page 48)	Gatch Crankscrew Ass'y	1	AK	11–4	Washer	6
L	16–12	Fiberlock Nut	1	AL	4–28	Soc. Hd. Cap Screw	5
M	393–53–20	Strap Anchor	4	AM	4–86	Soc. Hd. Cap Screw	2
N	988–34–723	Support Plate	2	AN	4–137	Soc. Hd. Cap Screw	2
P	958–1–555	Fowler Stop	2	AP	4–142	Soc. Hd. Cap Screw	1
R	460–2–32	Grounding Cable	1	AR	15–13	Jam Nut	2
S	13–10	Ext. Tooth Lock Washer	2	AS	11–2	Washer	6
T	52–77	Spacer	2	AT	16–16	Fiberlock Nut	7
W	11–3	Washer	4	AW	4–86	Soc. Hd. Cap Screw	1
X	16–11	Nut	4	AX	2020–16–527	Hd./Ft. Board Pad	4
Y	28–50	Retaining Ring	2	AY	4–38	Soc. Hd. Cap Screw	1
Z	938–1–166	Modified Bolt	1	AZ	13–18	Ext. Tooth Lock Washer	1
				BA	25–110	Pop Rivet	8

* When 2010–10, Standard Fowler Option, is ordered, use Fowler frame part number 988–2–587. When 2020–62, Head Extension Fowler Option, is ordered, use Fowler frame part number 2020–62–12.

** When 2010–10, Standard Fowler Option, is ordered, use Fowler skin part number 988–31–635. When 2020–62, Head Extension Fowler Option, is ordered, use Fowler skin part number 2020–62–28.

2010–1–515 Litter Assembly

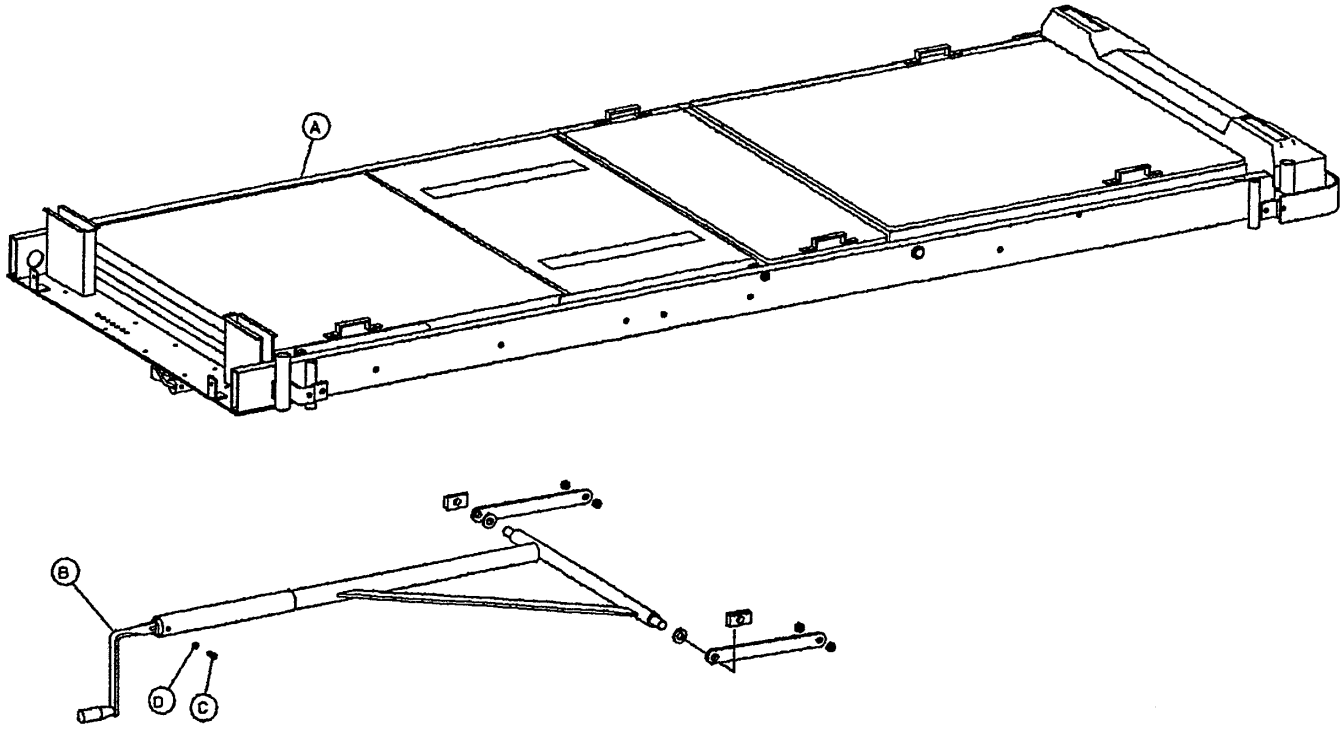




LITTER GROUNDING DETAIL

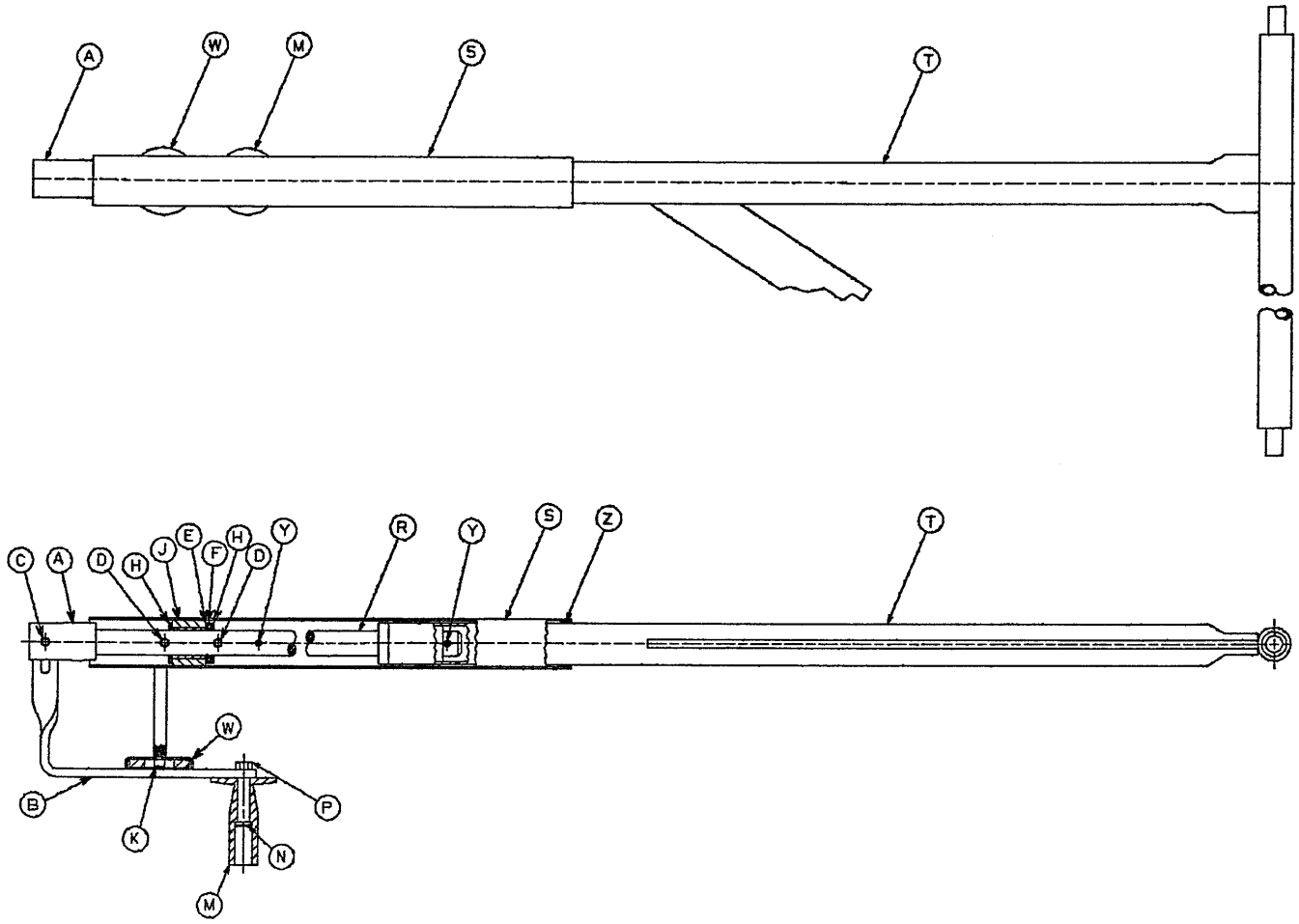
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	(page 31)	Basic Litter Assembly	1	X	37–41	Hole Plug	2
B	2020–15–515	Frame End	1	Y	3–98	Hex Hd. Cap Screw	4
C	2020–15–512	Bumper	2	Z	3–97	Hex Hd. Cap Screw	4
D	52–45	Bushing	2	AA	1–71	Flat Hd. Mach. Screw	4
E	52–109	Washer	4	AB	4–109	Soc. Hd. Mach. Screw	4
F	2020–16–553	Crosstube Ass'y, Ft.	1	AC	16–40	Fiberlock Nut	8
H	2020–1–519	Crossbar, Head End	1	AD	926–33–36	Bearing	2
J	4–21	Soc. Hd. Cap Screw	4	AE	926–33–17	Spacer	2
K	958–1–576	Roller & Sleeve Ass'y	2	AF	958–31–618	Fowler Slide Lever	2
L	2020–1–521	Roller Shaft	2	AH	988–31–625	Fowler Arm Spacer	4
M	958–1–595	Sleeve, Hd. End	2	AJ	4–124	Soc. Hd. Cap Screw	2
N	16–61	Lock Nut	8	AK	2020–15–513	Litter Caulking	6 ft.
P	11–280	Washer	4	AL	2020–1–565	Litter Caulking	1 ft.
R	1–80	Flat Hd. Mach. Screw	8	AM	2010–1–212	Litter Ground/Wire	1
S	16–15	Fiberlock Nut	4	AN	13–18	Ext. Tooth Lock Washer	2
T	16–11	Fiberlock Nut	2	AP	23–25	Self–Tapping Screw	1
W	12–20	Lock Washer	6				

2010–1–510 Litter Assembly with Standard Fowler



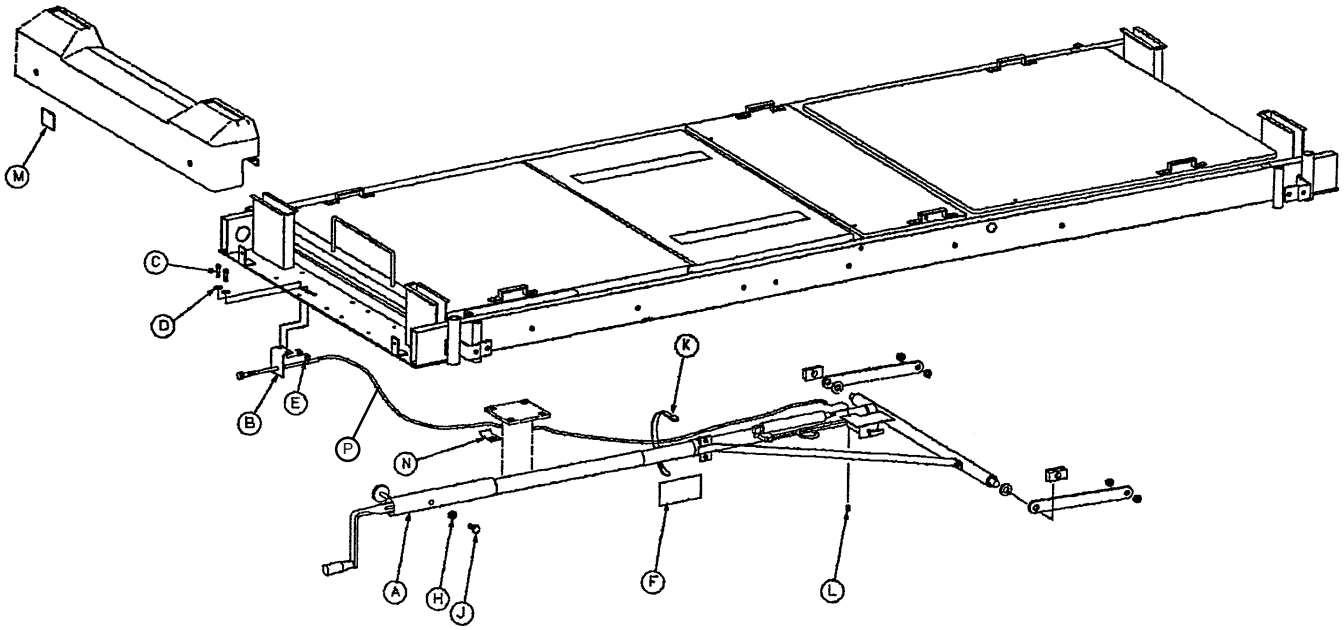
Item	Part No.	Part Name	Qty.
A	(page 32)	Litter Assembly	1
B	(page 34)	Fowler Crankscrew Ass'y	1
C	938–1–166	Modified Bolt	1
D	15–13	Jam Nut	1

2010–31–610 Fowler Crankscrew Assembly



Item	Part No.	Part Name	Qty.
A	958–1–545	Crank Disc	1
B	2020–1–531	Crank Handle	1
C	26–166	Groove Pin	1
D	26–14	Roll Pin	2
E	81–176	Thrust Washer	1
F	81–175	Thrust Bearing	1
H	81–174	Thrust Washer	2
J	938–1–175	Bearing Assembly	1
K	4–7	Soc. Hd. Cap Screw	1
M	2020–16–521	Knob	1
N	378–24–29	Shoulder Bolt	1
P	16–6	Kep Nut	1
R	958–75–21	Fowler Screw	1
S	2010–34–711	Screw Cover Assembly	1
T	958–31–617	Extension Tube Assembly	1
W	958–34–717	Magnet	1
Y	26–10	Roll Pin	2
Z	7900–1–102	Velcro Pile Tape	1

2010–75–510 & 2011–75–510 Emer. Drop Fowler Option Ass'y



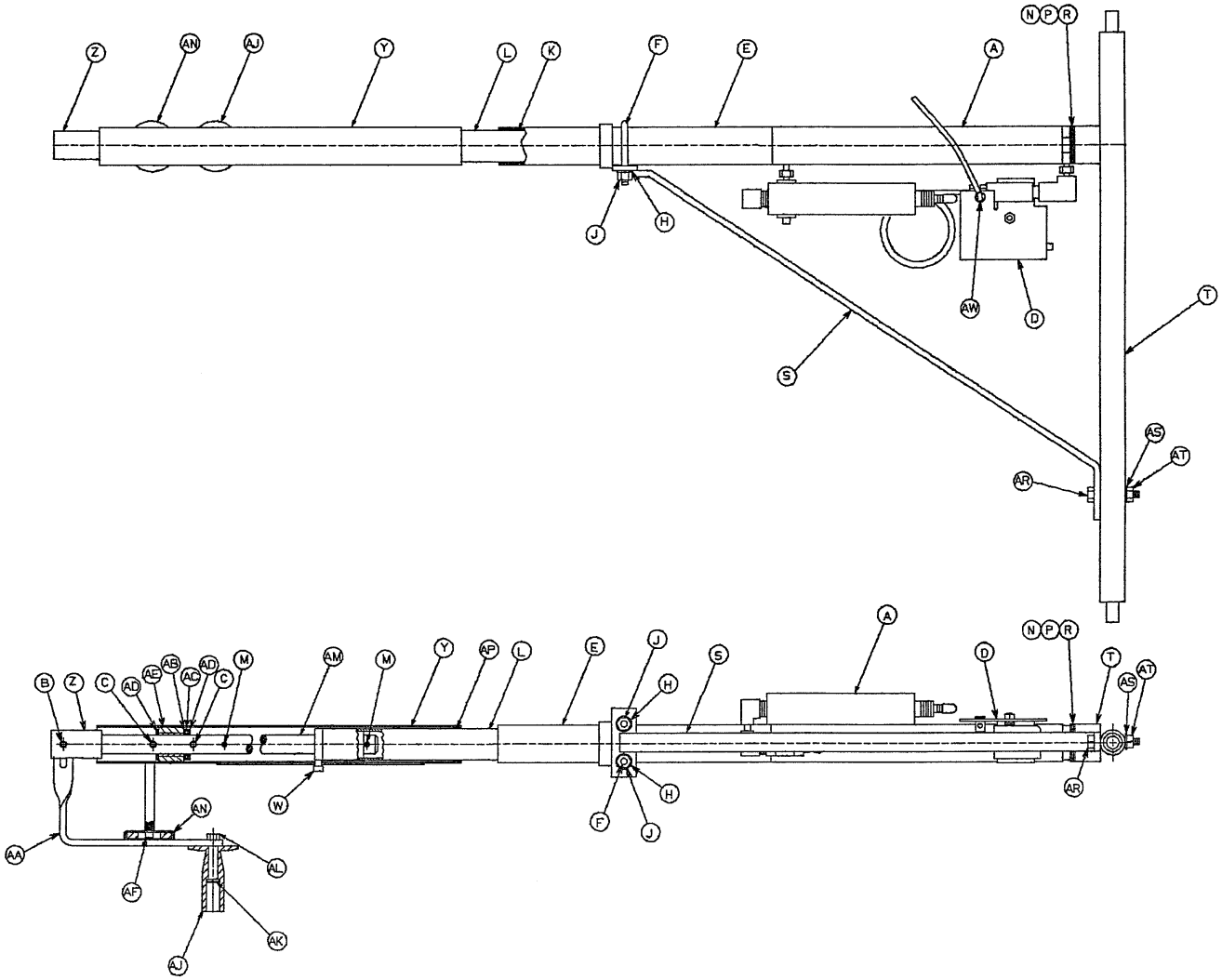
2010–75–10

Item	Part No.	Part Name	Qty.
A	(page 36)	E. Drop C'screw Ass'y	1
B	2010–75–517	Mounting Bracket	1
C	4–9	Soc. Hd. Cap Screw	2
D	11–2	Washer	2
E	16–16	Fiberlock Nut	2
F	2010–75–520	Label	1
H	15–3	Hex Nut	1
J	938–1–166	Modified Bolt	1
K	38–151	Cable Tie	1
L	21–50	Set Screw	1
M	2010–75–519	Label	1
N	2020–1–554	Wire Guide	1
P	938–1–375	Actuating Cable	1

2011–75–10

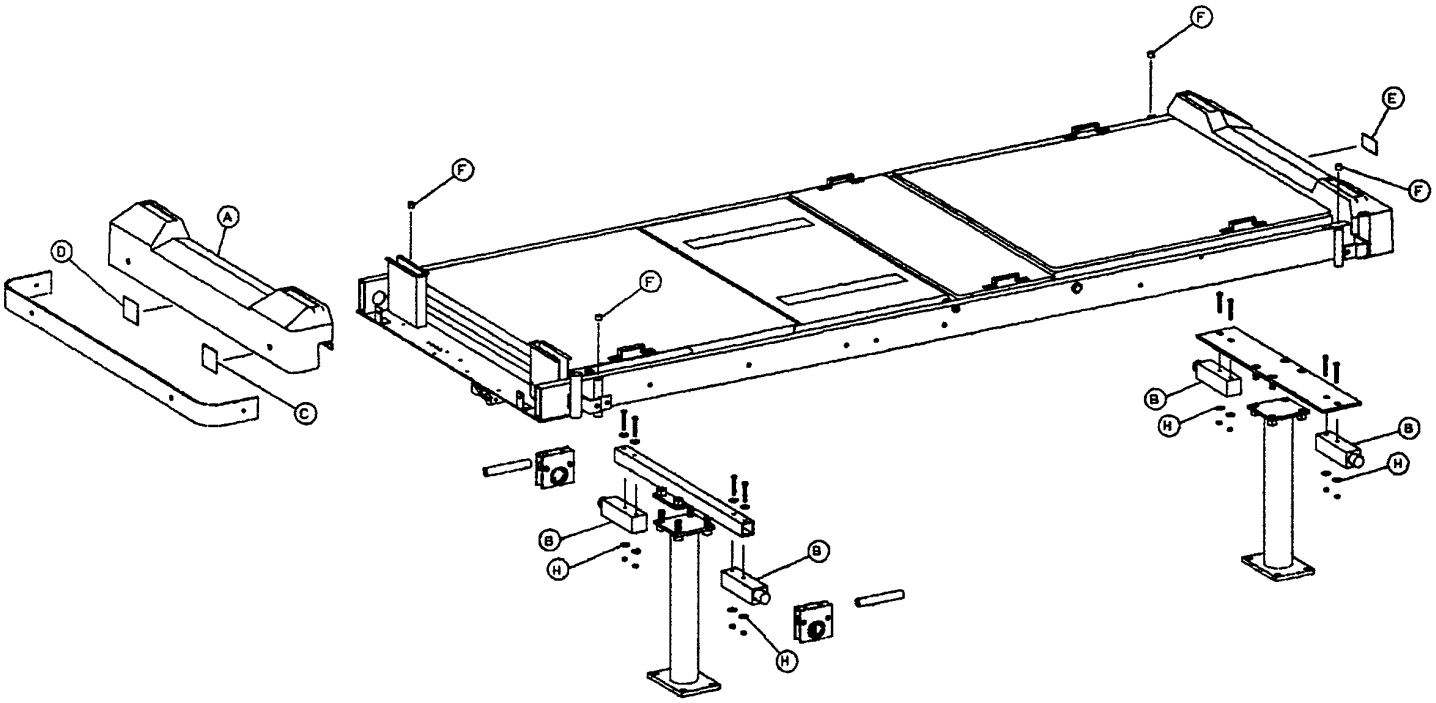
Item	Part No.	Part Name	Qty.
A	(page 36)	E. Drop C'screw Ass'y	1
B	2010–75–517	Mounting Bracket	1
C	4–9	Soc. Hd. Cap Screw	2
D	11–2	Washer	2
E	16–16	Fiberlock Nut	2
F	2010–75–520	Label	1
H	15–3	Hex Nut	1
J	938–1–166	Modified Bolt	1
K	38–151	Cable Tie	1
L	21–50	Set Screw	1
M	2011–1–120	Label	1
N	2020–1–554	Wire Guide	1
P	938–1–375	Actuating Cable	1

2010–75–515 Emergency Drop Fowler Crankscrew Ass'y



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	958–75–24	Cylinder Assembly	1	Z	958–1–545	Crank Disc	1
B	26–166	Groove Pin	1	AA	2020–1–531	Crank Handle	1
C	26–14	Roll Pin	2	AB	81–176	Thrust Washer	1
D	938–2–381	Release Assembly	1	AC	81–175	Thrust Bearing	1
E	938–2–341	Guide Tube Assembly	1	AD	81–174	Thrust Washer	2
F	938–1–359	"U" Bolt	1	AE	938–1–175	Bearing Assembly	1
H	11–3	Washer	2	AF	4–7	Soc. Hd. Cap Screw	1
J	16–11	Flexlock Nut	2	AJ	2020–16–521	Knob	1
K	81–59	Nylon Bushing	1	AK	378–24–29	Shoulder Bolt	1
L	958–75–20	Extension Tube Assembly	1	AL	16–6	Kep Nut	1
M	26–10	Roll Pin	2	AM	958–75–21	Fowler Screw	1
N	11–104	Shim Washer	As Req'd	AN	958–34–717	Magnet	1
P	11–105	Shim Washer	As Req'd	AP	7900–1–102	Velcro Pile Tape	1
R	11–110	Shim Washer	As Req'd	AR	3–17	Hex Hd. Cap Screw	1
S	958–75–16	Brace Assembly	1	AS	11–63	Flat Washer	1
T	958–75–23	Crosstube Assembly	1	AT	16–16	Fiberlock Nut	1
W	938–1–367	Shoulder Bolt, Modified	1	AW	938–1–384	Cable Retainer	1
Y	2010–75–516	Screw Cover Assembly	1				

2010–49–510 & 2011–49–510 Litter Ass’y, Basic Bed



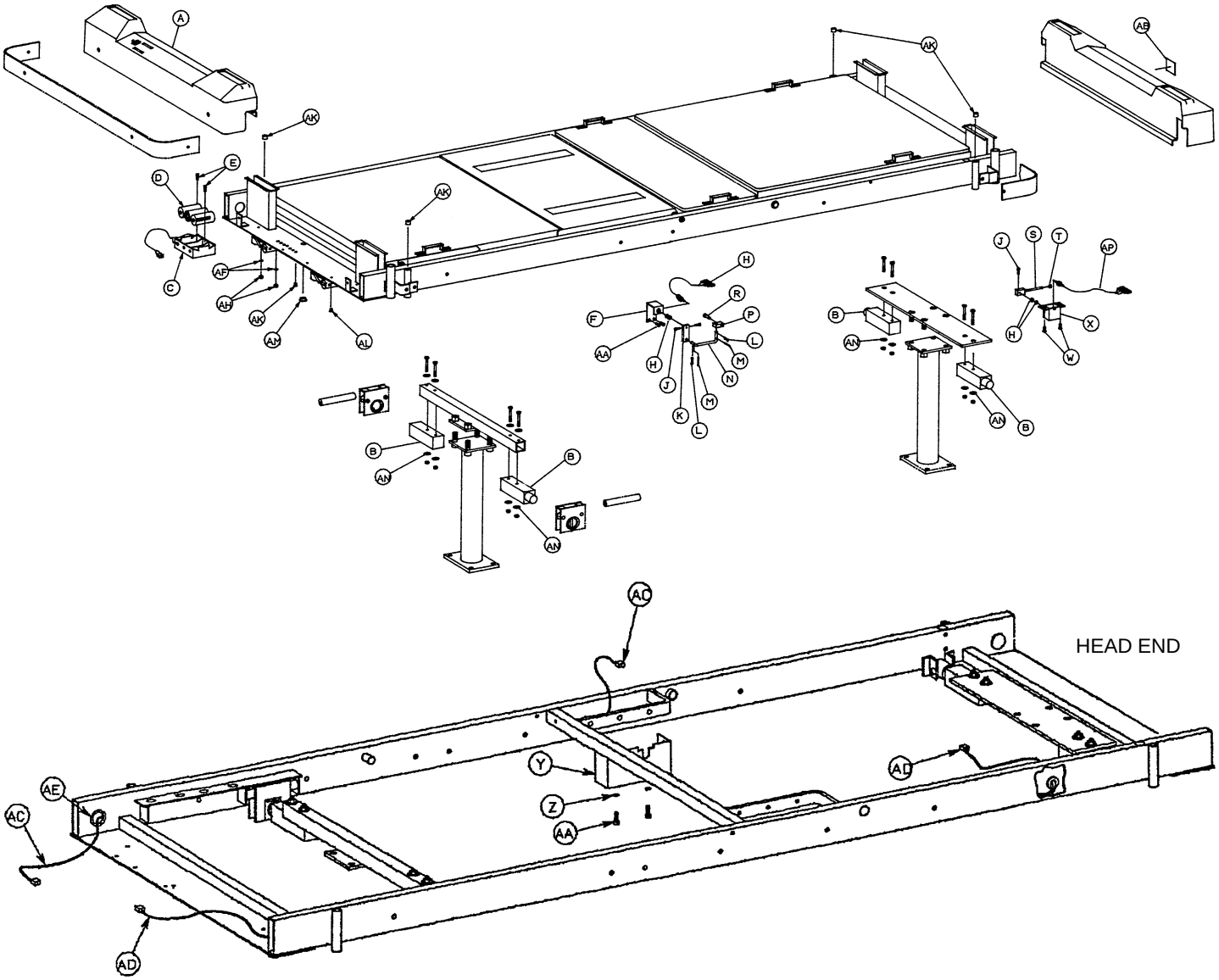
2010–49–510

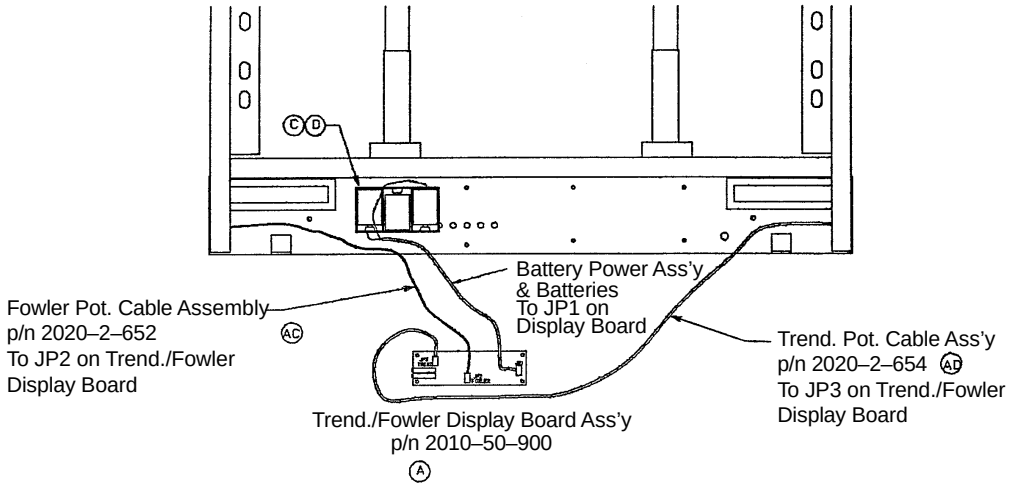
Item	Part No.	Part Name	Qty.
A	2020–15–515	Frame End	1
B	958–1–578	Supt. Tube Ass’y	4
C	946–1–64	Label, Gatch	1
D	946–1–65	Label, Fowler	1
E	988–1–562	Label, I.V. Storage	1
H	11–280	Washer	8

2011–49–510

Item	Part No.	Part Name	Qty.
A	2020–15–515	Frame End	1
B	958–1–578	Supt. Tube Ass’y	4
C	946–1–64	Label, Gatch	1
D	946–1–65	Label, Fowler	1
E	2011–1–113	Label, I.V. Storage	1
F	52–502	Bushing	4
H	11–280	Washer	8

2010–50–510 & 2011–50–510 Litter Assembly, Position Option





2010–50–510 & 2011–50–510 Litter Assembly, Position Option

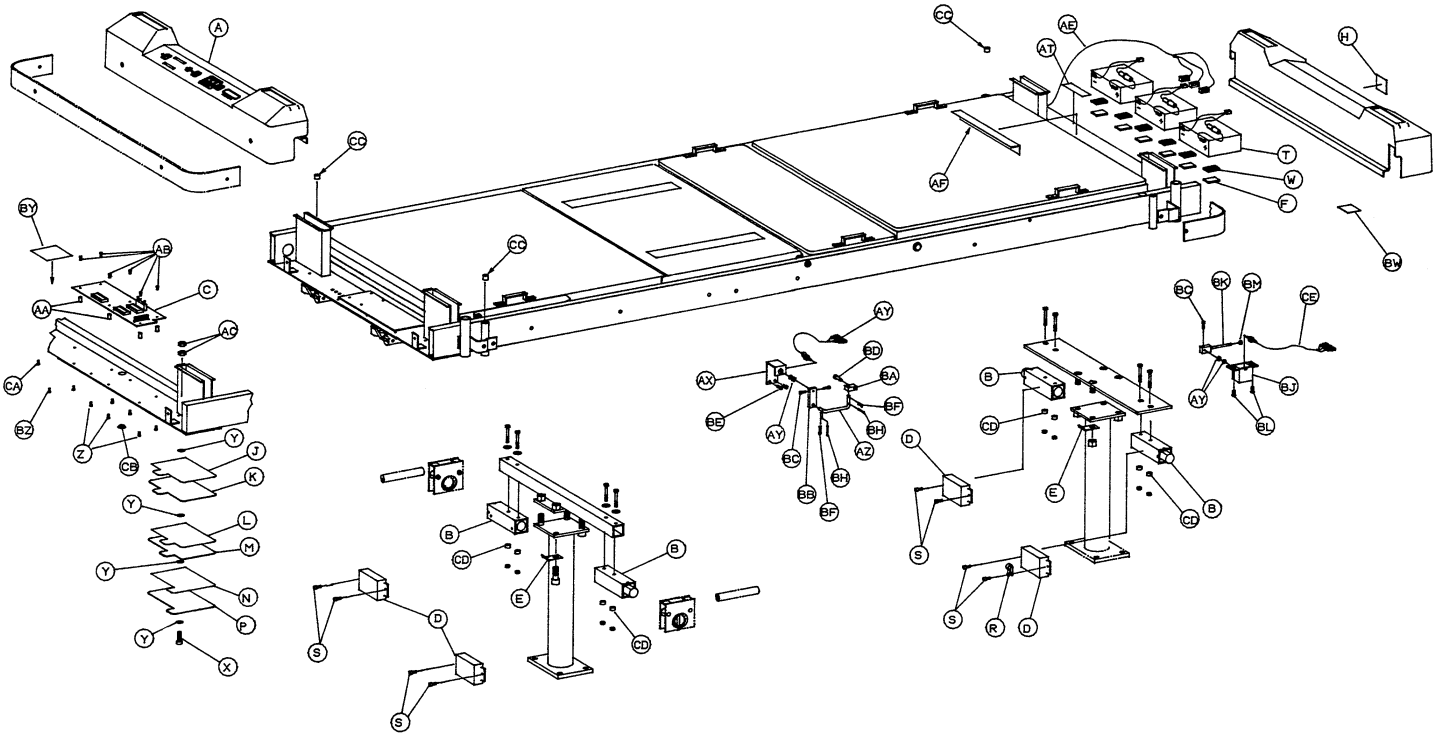
2010–50–510

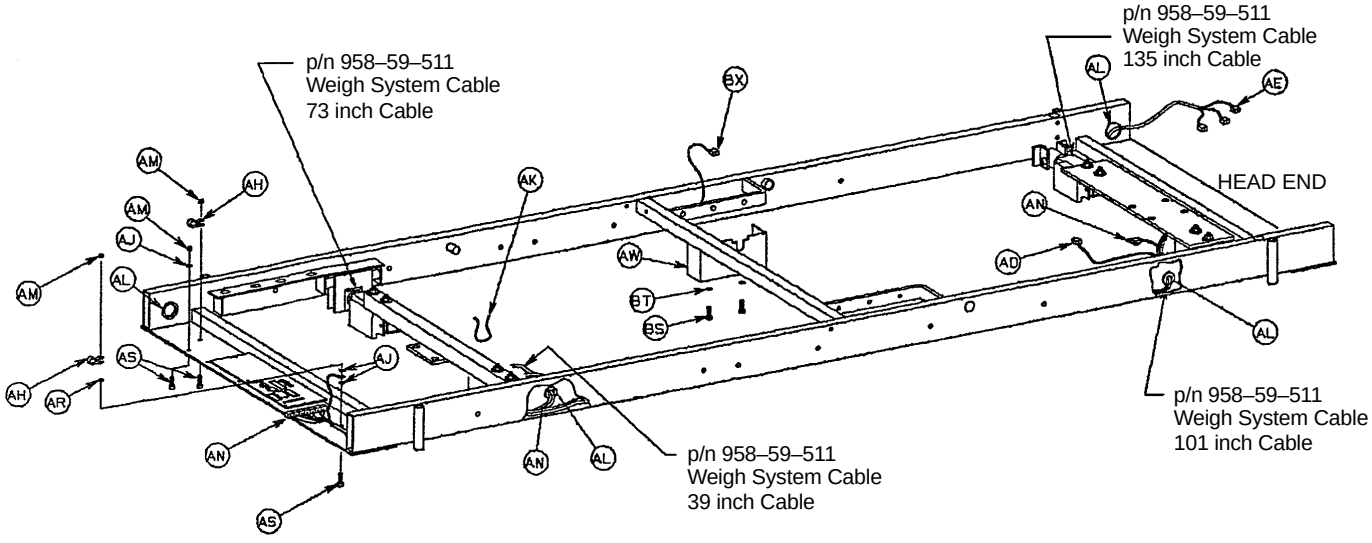
Item	Part No.	Part Name	Qty.
A	(page 50)	Frame End Ass'y	1
B	958–1–578	Support Tube Ass'y	4
C	2010–50–520	Battery Holder Ass'y	1
D	2010–50–519	Battery	3
E	4–126	Hex Soc. Hd. Cap Scr.	2
F	2020–31–622	Fowler Pot. Bracket	1
H	2020–2–681	Pot. Cable Ass'y	1
J	4–42	Soc. Hd. Cap Screw	4
K	988–2–231	Fowler Pot. Actuator	1
L	27–13	Cotter Pin	2
M	26–34	Roll Pin	2
N	988–2–244	Fowler Pivot Link	1
P	988–2–243	Fowler Pivot Block	1
R	8–21	Shoulder Bolt	1
S	2020–50–532	Clamp & Shaft Ass'y	1
T	52–705	Grommet	1
W	23–55	Self–Tapping Screw	2
X	2020–50–523	Pot. Housing	1
Y	2020–1–428	Cover, Right	1
Z	13–17	Washer	2
AA	23–57	Self–Tapping Screw	2
AB	988–1–562	I.V. Storage Label	1
AC	2020–2–652	Fow. Pot. Cable Ass'y	1
AD	2020–2–654	Trend. Pot. Cable Ass'y	1
AE	30–17	Nylon Grommet Edging	16"
AF	11–103	Washer	2
AH	16–23	Fiberlock Nut	2
AK	52–501	Push–In Rivet	6
AL	52–500	Push Rivet	10
AM	37–39	Hole Plug	1
AN	11–280	Washer	4
AP	2020–2–651	F/T Pot. Cable Ass'y	1

2011–50–510

Item	Part No.	Part Name	Qty.
A	(page 50)	Frame End Ass'y	1
B	958–1–578	Support Tube Ass'y	4
C	2010–50–520	Battery Holder Ass'y	1
D	2010–50–519	Battery	3
E	4–126	Hex Soc. Hd. Cap Scr.	2
F	2020–31–622	Fowler Pot Bracket	1
H	2020–2–681	Pot. Cable Ass'y	1
J	4–42	Soc. Hd. Cap Screw	4
K	988–2–231	Fowler Pot. Actuator	1
L	27–13	Cotter Pin	2
M	26–34	Roll Pin	2
N	988–2–244	Fowler Pivot Link	1
P	988–2–243	Fowler Pivot Block	1
R	8–21	Shoulder Bolt	1
S	2020–50–532	Clamp & Shaft Ass'y	1
T	52–705	Grommet	1
W	23–55	Self–Tapping Screw	2
X	2020–50–523	Pot. Housing	1
Y	2020–1–428	Cover, Right	1
Z	13–17	Washer	2
AA	23–57	Self–Tapping Screw	2
AB	2011–1–113	I.V. Storage Label	1
AC	2020–2–652	Fow. Pot. Cable Ass'y	1
AD	2020–2–654	Trend. Pot. Cable Ass'y	1
AE	30–17	Nylon Grommet Edging	16"
AF	11–103	Washer	2
AH	16–23	Fiberlock Nut	2
AJ	52–502	Bushing	4
AK	52–501	Push–In Rivet	6
AL	52–500	Push Rivet	10
AM	37–39	Hole Plug	1
AN	11–280	Washer	4
AP	2020–2–651	F/T Pot. Cable Ass'y	1

2010–52–510 & 2011–52–510 Litter Ass'y, All Options



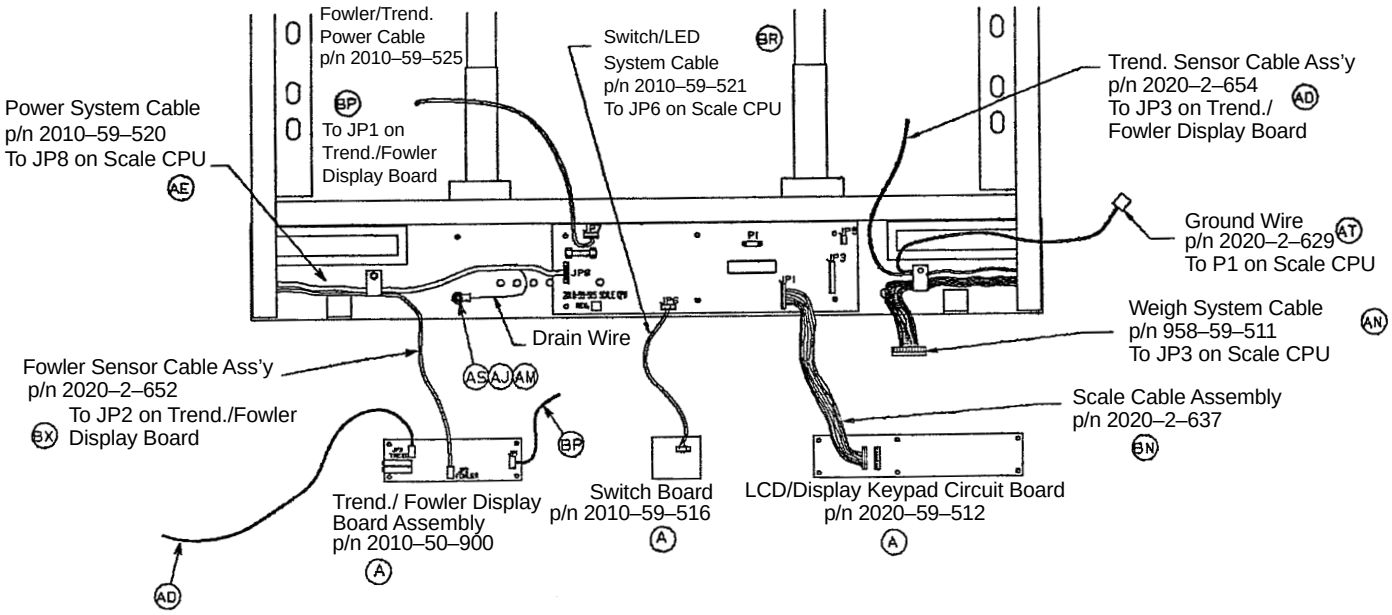


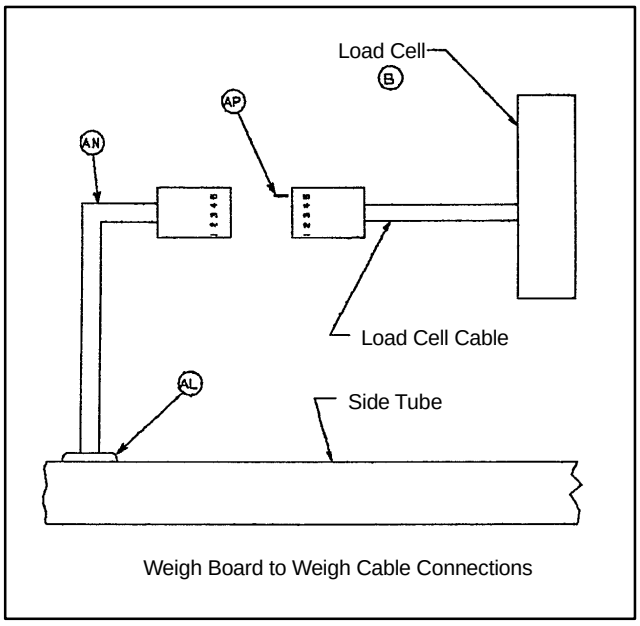
2010–52–510 & 2011–52–510 Litter Ass'y, All Options

Item	Part No.	Part Name	Qty.
A	(page 51)	Frame End Ass'y	1
B	2020–59–520	Load Cell Ass'y	4
C	2010–59–900	Scale CPU	1
D	2020–59–411	Cover	4
E	2020–1–554	Wire Guide	2
F	29–9	Dual Lock	6
H	988–1–562	I.V. Storage Label	1
J	2010–1–106	Instruction Label, Top	1
K	2020–1–572	Instruction Tab, Top	1
L	2010–1–107	Instruction Label, Middle	1
M	2020–1–573	Instruction Tab, Middle	1
N	2010–1–108	Instruction Label, Bottom	1
P	2020–1–574	Instruction Tab, Bottom	1
R	52–68	Cable Clamp	1
S	4–118	Soc. Hd. Screw	8
T	2010–59–528	Battery Assembly	3
W	29–7	Dual Lock	6
X	4–12	Soc. Hd. Cap Screw	1
Y	14–20	Washer	4
Z	4–101	Soc. Hd. Cap Screw	6
AA	52–91	Spacer	6
AB	52–89	Nylon Screw	6
AC	15–27	Jam Nut	2
AD	2020–2–654	Trend. Pot. Cable Ass'y	1
AE	2010–59–520	Power System Cord	1
AF	2010–59–527	Frame Tube Cover	1
AH	52–94	Cable Clamp	2
AJ	13–18	Ext. Tooth Lock Washer	3
AK	38–111	Cable Tie	4
AL	30–17	Nylon Grommet Edging	32"
AM	16–3	Fiberlock Nut	3
AN	958–59–511	Weigh System Cable	1
AP	59–42	Key	16
AR	15–4	Jam Nut	1
AS	4–8	Soc. Hd. Screw	3
AT	2010–1–114	Label, Battery	1
AW	2020–1–428	Cover, Right	1
AX	2020–31–622	Fowler Pot. Bracket	1
AY	2020–2–681	F/T Cable Ass'y	1
AZ	988–2–244	Fowler Pivot Link	1
BA	988–2–243	Fowler Pivot Block	1
BB	988–2–231	Fowler Pot. Actuator	1
BC	4–42	Soc. Hd. Screw	4
BD	8–21	Shoulder Bolt	1
BE	23–25	Self–Tapping Screw	2
BF	27–13	Cotter Pin	2
BH	26–34	Roll Pin	2
BJ	2010–50–523	Pot. Housing	1
BK	2020–50–532	Clamp & Shaft Ass'y	1
BL	23–55	Self–Tapping Screw	2
BM	52–705	Grommet	1
BN	2020–2–637	Scale Cable Ass'y	1
BP	2010–59–525	Trend/Fow. Power Cable	1
BR	2010–59–521	Switch LED Syst. Cable	1
BS	23–57	Self–Tapping Screw	2
BT	13–17	Ext. Tooth Lock Washer	2
BW	2010–1–109	Battery Storage Label	1
BX	2020–2–652	Fowler Pot. Cable Ass'y	1
BY	2010–1–112	Label, Fuse Warning	1
BZ	52–501	Push–In Rivet	6
CA	52–500	Push Rivet	4
CB	37–39	Hole Plug	1
CD	2020–59–518	Spacer	8
CE	2020–2–651	F/T Pot. Cable	1

Item	Part No.	Part Name	Qty.
A	(page 51)	Frame End Ass'y	1
B	2020–59–520	Load Cell Ass'y	4
C	2011–59–900	Scale CPU (TUV)	1
D	2020–59–411	Cover	4
E	2020–1–554	Wire Guide	2
F	29–9	Dual Lock	6
H	2011–1–113	I.V. Storage Label (TUV)	1
J	2011–1–109	Instruction Label, Top	1
K	2020–1–572	Instruction Tab, Top	1
L	2011–1–107	Instruction Label, Middle	1
M	2020–1–573	Instruction Tab, Middle	1
N	2011–1–108	Instruction Label, Bottom	1
P	2020–1–574	Instruction Tab, Bottom	1
R	52–68	Cable Clamp	1
S	4–118	Soc. Hd. Screw	8
T	2010–59–528	Battery Assembly	3
W	29–7	Dual Lock	6
X	4–12	Soc. Hd. Cap Screw	1
Y	14–20	Washer	4
Z	4–101	Soc. Hd. Cap Screw	6
AA	52–91	Spacer	6
AB	52–89	Nylon Screw	6
AC	15–27	Jam Nut	2
AD	2020–2–654	Trend. Pot. Cable Ass'y	1
AE	2010–59–520	Power System Cord	1
AF	2010–59–527	Frame Tube Cover	1
AH	52–94	Cable Clamp	2
AJ	13–18	Ext. Tooth Lock Washer	3
AK	38–111	Cable Tie	4
AL	30–17	Nylon Grommet Edging	32"
AM	16–3	Fiberlock Nut	3
AN	958–59–511	Weigh System Cable	1
AP	59–42	Key	16
AR	15–4	Jam Nut	1
AS	4–8	Soc. Hd. Screw	3
AT	2010–1–114	Label, Battery	1
AW	2020–1–428	Cover, Right	1
AX	2020–31–622	Fowler Pot. Bracket	1
AY	2020–2–681	F/T Cable Ass'y	1
AZ	988–2–244	Fowler Pivot Link	1
BA	988–2–243	Fowler Pivot Block	1
BB	988–2–231	Fowler Pot. Actuator	1
BC	4–42	Soc. Hd. Screw	4
BD	8–21	Shoulder Bolt	1
BE	23–25	Self–Tapping Screw	2
BF	27–13	Cotter Pin	2
BH	26–34	Roll Pin	2
BJ	2010–50–523	Pot. Housing	1
BK	2020–50–532	Clamp & Shaft Ass'y	1
BL	23–55	Self–Tapping Screw	2
BM	52–705	Grommet	1
BN	2020–2–637	Scale Cable Ass'y	1
BP	2010–59–525	Trend/Fow. Power Cable	1
BR	2010–59–521	Switch LED Syst. Cable	1
BS	23–57	Self–Tapping Screw	2
BT	13–17	Ext. Tooth Lock Washer	2
BW	2011–1–118	Battery Storage Label	1
BX	2020–2–652	Fowler Pot. Cable Ass'y	1
BY	2010–1–112	Label, Fuse Warning	1
BZ	52–501	Push–In Rivet	6
CA	52–500	Push Rivet	4
CB	37–39	Hole Plug	1
CC	52–502	Bushing	4
CD	2020–59–518	Spacer	8
CE	2020–2–651	F/T Pot. Cable	1

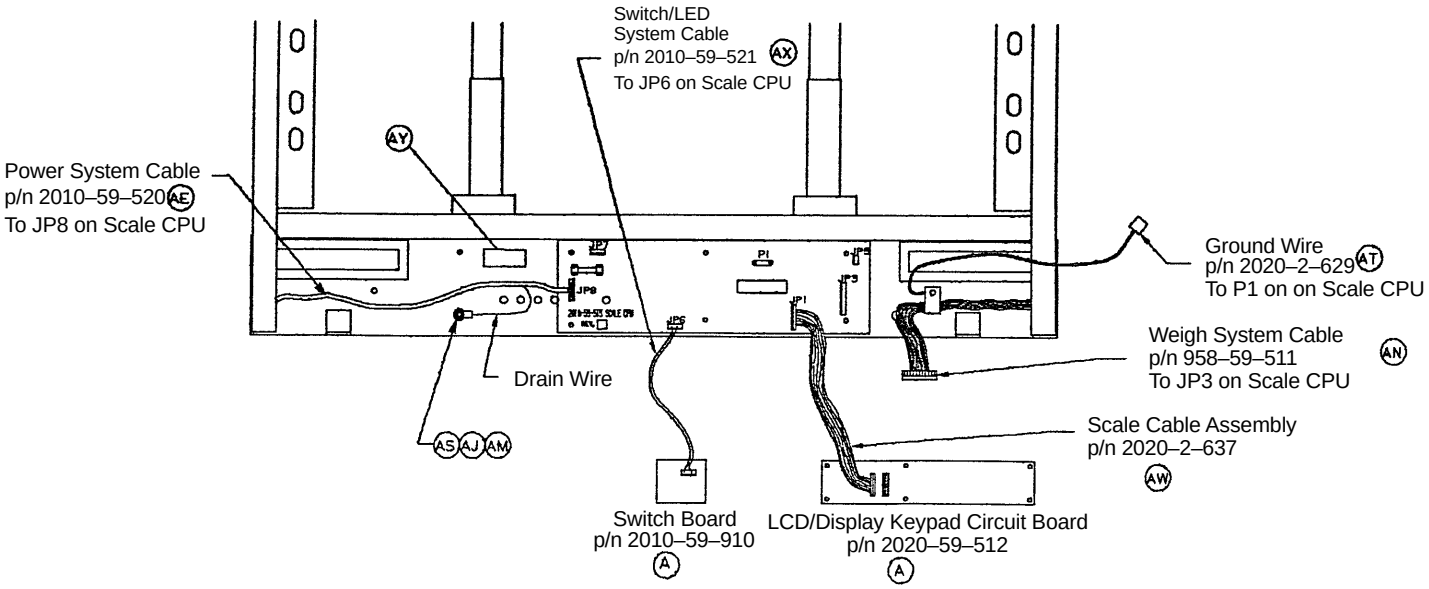
2010–52–510 & 2011–52–510 Litter Ass'y, All Options

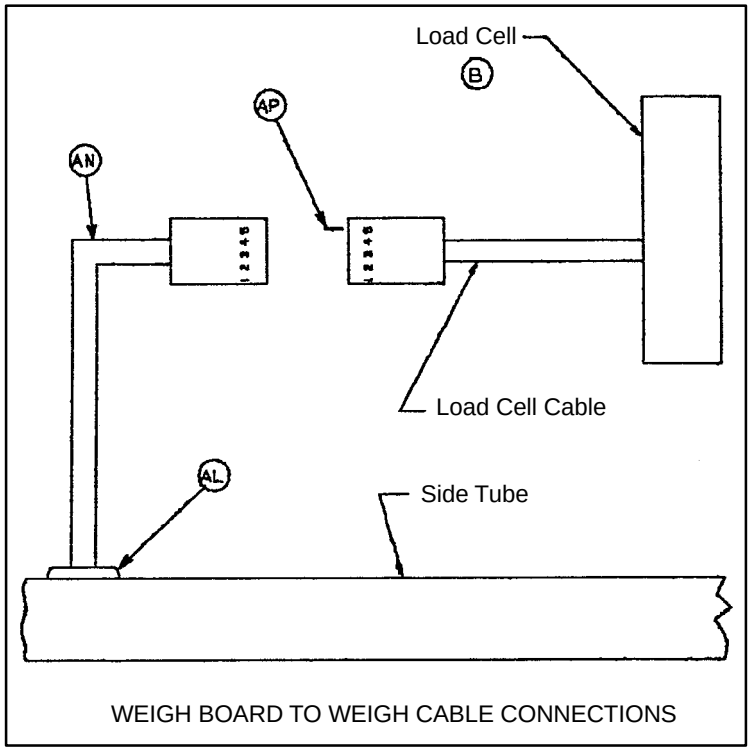




Weigh Board to Weigh Cable Connections

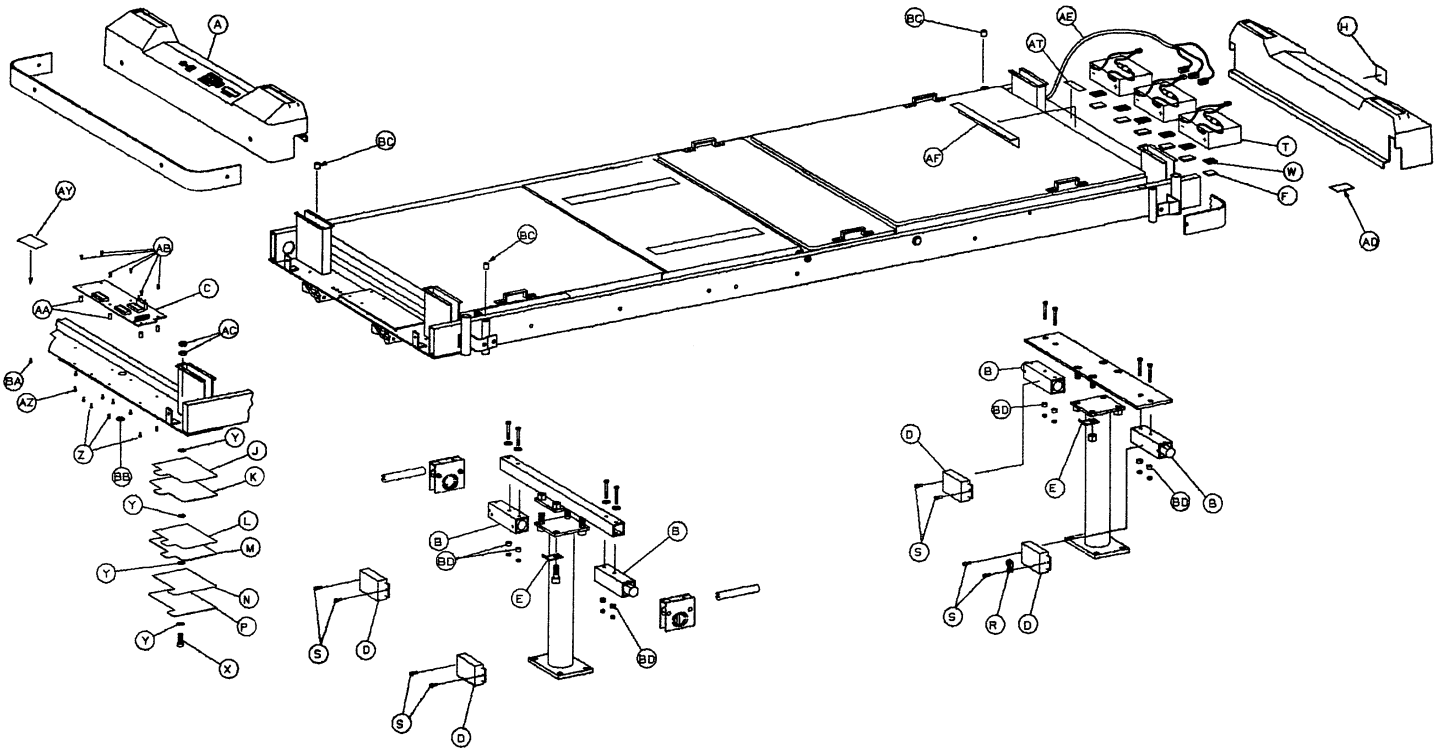
2010–59–510 & 2011–59–510 Litter Ass'y, Scale Option

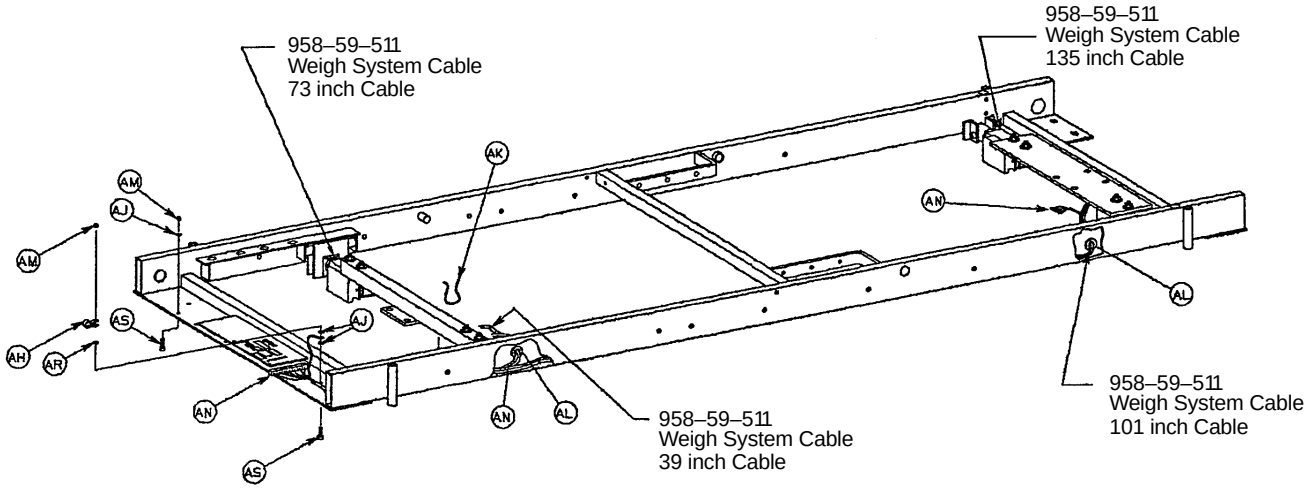




WEIGH BOARD TO WEIGH CABLE CONNECTIONS

2010–59–510 & 2011–59–510 Litter Ass'y, Scale Option





2010–59–510 & 2011–59–510 Litter Ass'y, Scale Option

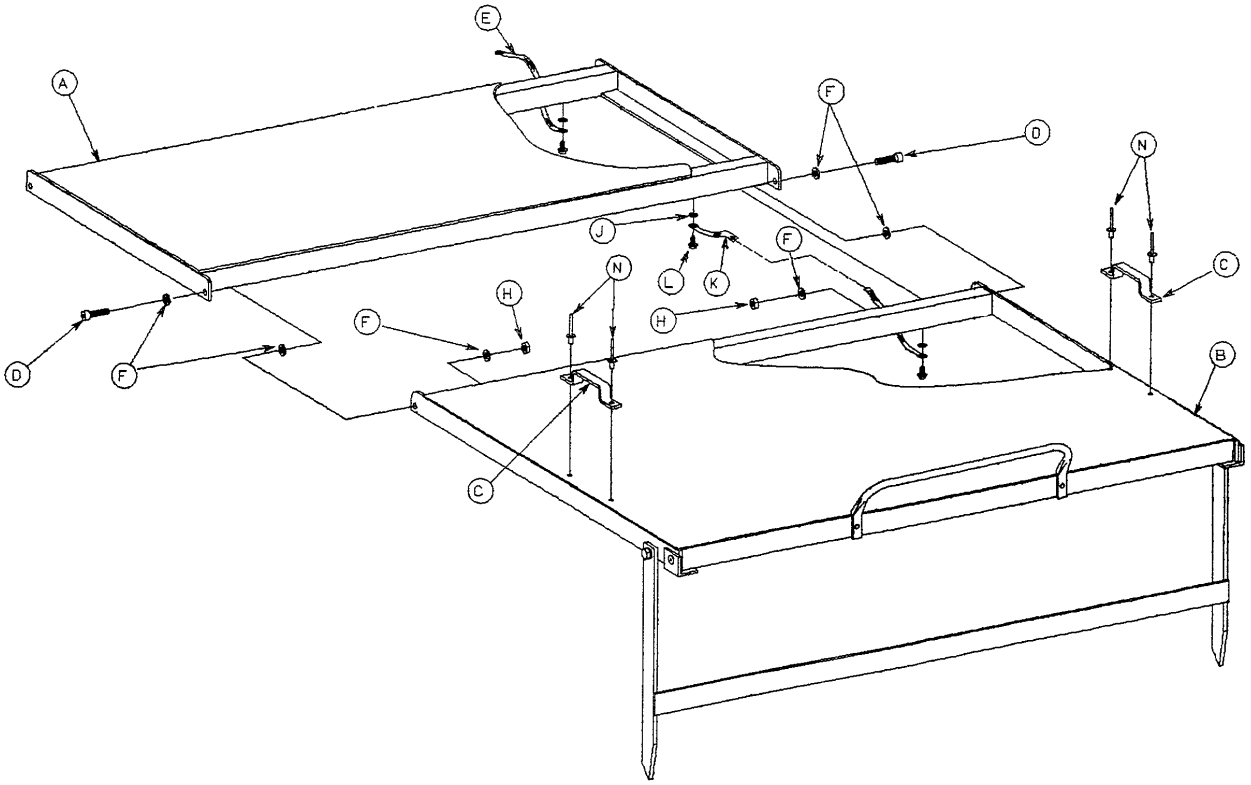
2010–59–510

Item	Part No.	Part Name	Qty.
A	(page 49)	Frame End Ass'y	1
B	2020–59–520	Load Cell Assembly	4
C	2010–59–900	Scale CPU	1
D	2020–59–411	Cover	4
E	2020–1–554	Wire Guide	2
F	29–9	Dual Lock	6
H	988–1–562	I.V. Storage Label	1
J	2010–1–106	Instruction Label, Top	1
K	2020–1–572	Instruction Tab, Top	1
L	2010–1–107	Instruction Label, Middle	1
M	2020–1–573	Instruction Tab, Middle	1
N	2010–1–108	Instruction Label, Bottom	1
P	2020–1–574	Instruction Tab, Bottom	1
R	52–68	Cable Clamp	1
S	4–118	Soc. Hd. Screw	8
T	2010–59–528	Battery Assembly	3
W	29–7	Dual Lock	6
X	4–12	Soc. Hd. Cap Screw	1
Y	14–20	Washer	4
Z	4–101	Soc. Hd. Cap Screw	6
AA	52–91	Spacer	6
AB	52–89	Nylon Screw	6
AC	15–27	Jam Nut	2
AD	2010–1–109	Battery Storage Label	1
AE	2010–59–520	Power System Cord	1
AF	2010–59–527	Frame Tube Cover	1
AH	52–94	Cable Clamp	1
AJ	13–18	Ext. Tooth Lock Washer	3
AK	38–111	Cable Tie	4
AL	30–17	Nylon Grommet Edging	32"
AM	16–3	Fiberlock Nut	2
AN	958–59–511	Weigh System Cable	1
AP	59–42	Key	16
AR	15–4	Jam Nut	1
AS	4–8	Soc. Hd. Screw	2
AT	2010–1–114	Label, Battery	1
AW	2020–2–637	Scale Cable Ass'y	1
AX	2010–59–521	Switch LED Cable Ass'y	1
AY	2010–1–112	Label, Fuse Warning	1
AZ	52–501	Push–In Rivet	6
BA	52–500	Push Rivet	4
BB	37–39	Hole Plug	1
BD	2020–59–518	Spacer	8

2011–59–510

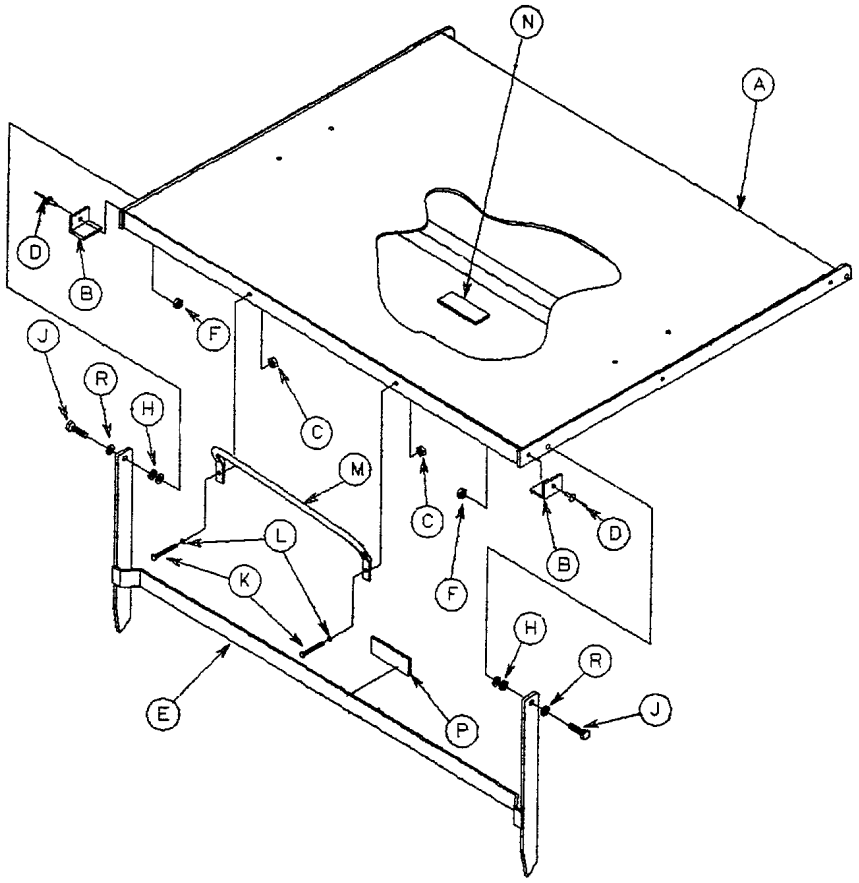
Item	Part No.	Part Name	Qty.
A	(page 49)	Frame End Ass'y	1
B	2020–59–520	Load Cell Assembly	4
C	2011–59–900	Scale CPU (TUV)	1
D	2020–59–411	Cover	4
E	2020–1–554	Wire Guide	2
F	29–9	Dual Lock	6
H	2011–1–113	I.V. Storage Label (TUV)	1
J	2011–1–109	Instruction Label, Top	1
K	2020–1–572	Instruction Tab, Top	1
L	2011–1–107	Instruction Label, Middle	1
M	2020–1–573	Instruction Tab, Middle	1
N	2011–1–108	Instruction Label, Middle	1
P	2020–1–574	Instruction Tab, Bottom	1
R	52–68	Cable Clamp	1
S	4–118	Soc. Hd. Screw	8
T	2010–59–528	Battery Assembly	3
W	29–7	Dual Lock	6
X	4–12	Soc. Hd. Cap Screw	1
Y	14–20	Washer	4
Z	4–101	Soc. Hd. Cap Screw	6
AA	52–91	Spacer	6
AB	52–89	Nylon Screw	6
AC	15–27	Jam Nut	2
AD	2011–1–118	Battery Storage Label	1
AE	2010–59–520	Power System Cord	1
AF	2010–59–527	Frame Tube Cover	1
AH	52–94	Cable Clamp	1
AJ	13–18	Ext. Tooth Lock Washer	3
AK	38–111	Cable Tie	4
AL	30–17	Nylon Grommet Edging	32"
AM	16–3	Fiberlock Nut	2
AN	958–59–511	Weigh System Cable	1
AP	59–42	Key	16
AR	15–4	Jam Nut	1
AS	4–8	Soc. Hd. Screw	2
AT	2010–1–114	Label, Battery	1
AW	2020–2–637	Scale Cable Ass'y	1
AX	2010–59–521	Switch LED Cable Ass'y	1
AY	2010–1–112	Label, Fuse Warning	1
AZ	52–501	Push–In Rivet	6
BA	52–500	Push Rivet	4
BB	37–39	Hole Plug	1
BC	52–502	Bushing	4
BD	2020–59–518	Spacer	8

2020–34–750 Knee Gatch Assembly



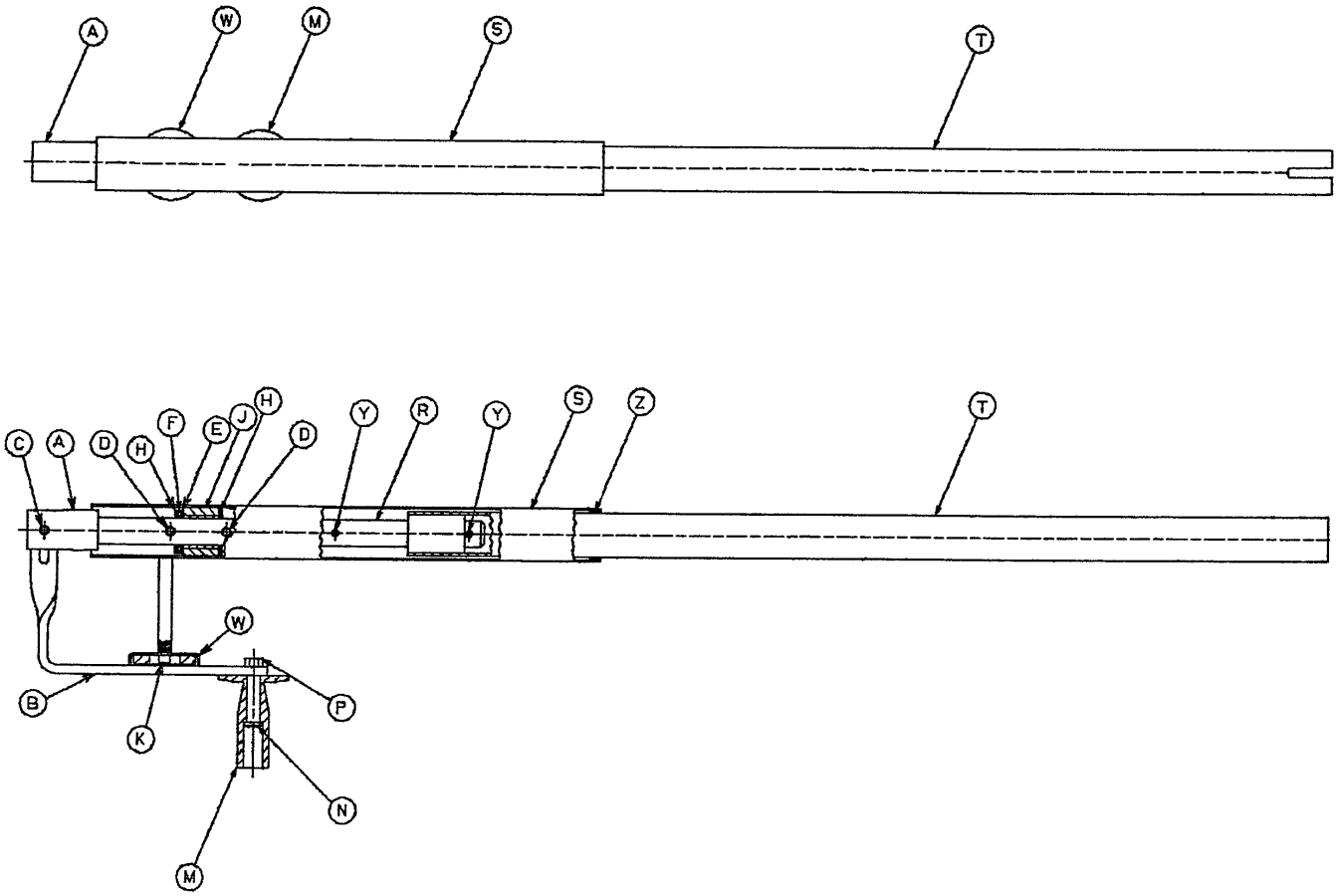
Item	Part No.	Part Name	Qty.
A	2020–34–753	Thigh Section Assembly	1
B	(page 47)	Calf Section Assembly	1
C	2020–1–701	Strap Anchor	2
D	4–51	Soc. Hd. Cap Screw	2
E	460–4–32	Grounding Cable	1
F	14–3	Flat Washer	6
H	16–11	Fiberlock Nut	2
J	13–10	Ext. Tooth Lock Washer	3
K	988–2–676	Grounding Cable	1
L	23–25	Self Tapping Mach. Screw	3
N	25–79	Pop Rivet	4

2020–34–760 Calf Section Assembly



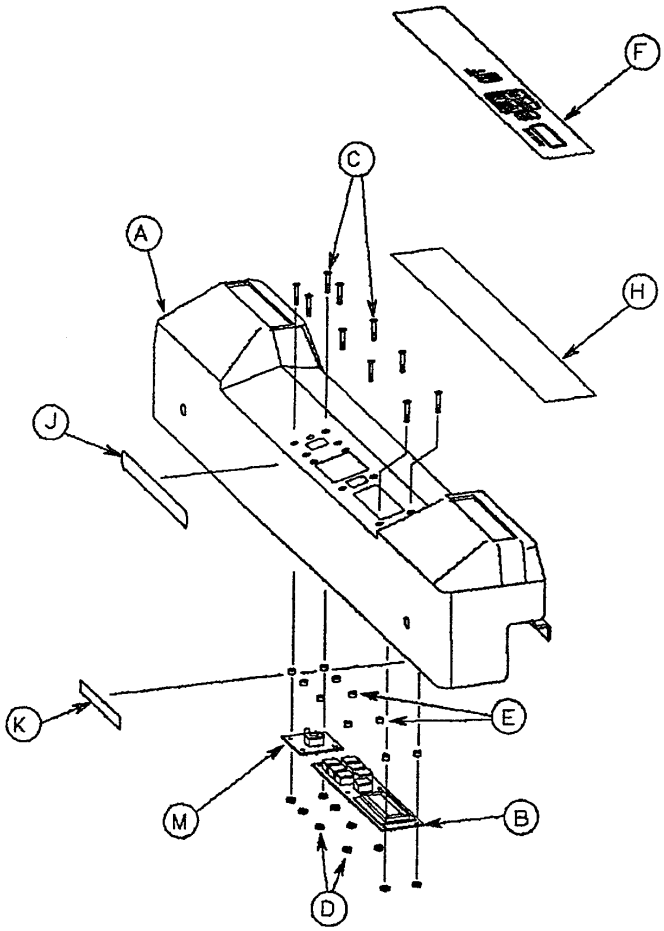
Item	Part No.	Part Name	Qty.
A	2020–34–755	Calf Section Assembly	1
B	2020–34–758	Calf Section Rest	2
C	16–3	Fiberlock Nut	2
D	25–71	Pop Rivet	2
E	2020–34–762	Gatch Stand Assembly	1
F	16–16	Fiberlock Nut	2
H	14–2	Nylon Washer	4
J	3–3	Hex Hd. Cap Screw	2
K	2–36	Rd. Hd. Machine Screw	2
L	11–1	Flat Washer	2
M	938–1–69	Knee Gatch Handle	1
N	29–7	Dual Lock	1
P	29–9	Dual Lock	1
R	11–2	Flat Washer	2

2010–34–710 Knee Gatch Crankscrew Assembly



Item	Part No.	Part Name	Qty.
A	958–1–545	Crank Disc	1
B	2020–1–531	Crank Handle	1
C	26–166	Groove Pin	1
D	26–14	Roll Pin	2
E	81–176	Thrust Washer	1
F	81–175	Thrust Bearing	1
H	81–174	Thrust Washer	2
J	938–1–175	Bearing Assembly	1
K	4–7	Soc. Hd. Cap Screw	1
M	2020–16–521	Knob	1
N	378–24–29	Shoulder Bolt	1
P	16–6	Kep Nut	1
R	958–34–731	Knee Gatch Screw	1
S	2010–34–711	Screw Cover Assembly	1
T	2010–34–713	Extension Tube	1
W	958–34–717	Magnet	1
Y	26–10	Roll Pin	2
Z	7900–1–102	Velcro Adhesive Pile	2

2010–59–519 & 2011–59–519 Frame End Ass'y, Scale Option



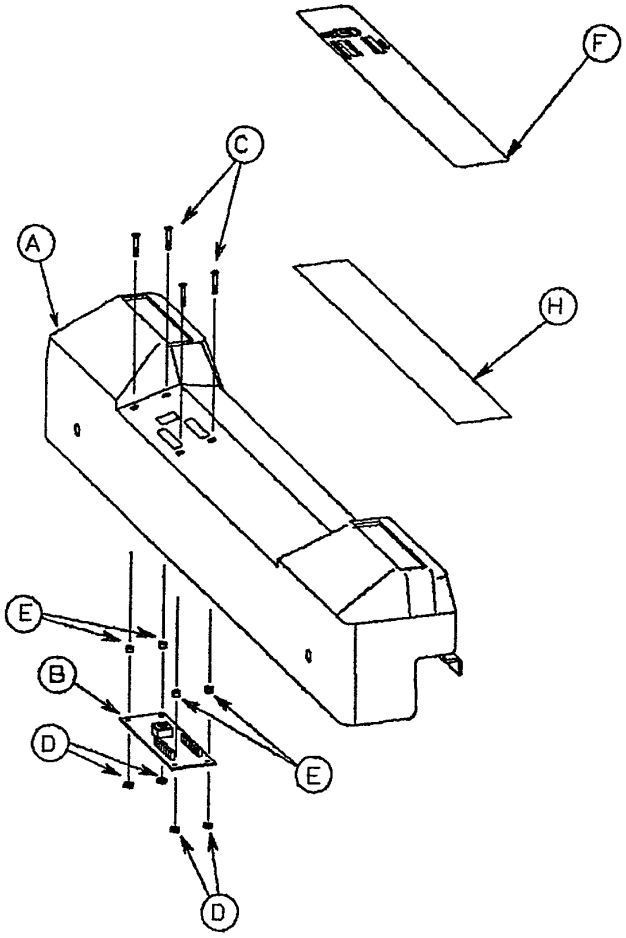
2010–59–519

Item	Part No.	Part Name	Qty.
A	2010–59–517	Frame End, Scale Opt.	1
B	2020–57–512	Scale Disp./Keyboard	1
C	1–70	Flat Hd. Mach. Screw	10
D	16–51	Nut	10
E	52–90	Spacer	10
F	2010–59–526	Ft. End Control Label	1
H	2020–1–566	Clear Shield	1
J	2010–1–115	Label O2 Hazard	1
K	2020–1–146	Label, Scale	1
L	2010–1–105	Label, On/Off	1
M	2010–59–910	Switch Board	1

2011–59–519

Item	Part No.	Part Name	Qty.
A	2010–59–517	Frame End, Scale Opt.	1
B	2020–57–512	Scale Disp./Keyboard	1
C	1–70	Flat Hd. Mach. Screw	10
D	16–51	Nut	10
E	52–90	Spacer	10
F	2011–59–526	Ft. End Control Label	1
H	2020–1–566	Clear Shield	1
J	2011–1–114	Label O2 Hazard	1
K	2011–1–115	Label, Scale	1
L	2011–1–116	Label, On/Off	1
M	2010–59–910	Switch Board	1

2010–50–515 & 2011–50–515 Frame End Ass'y, Position Option



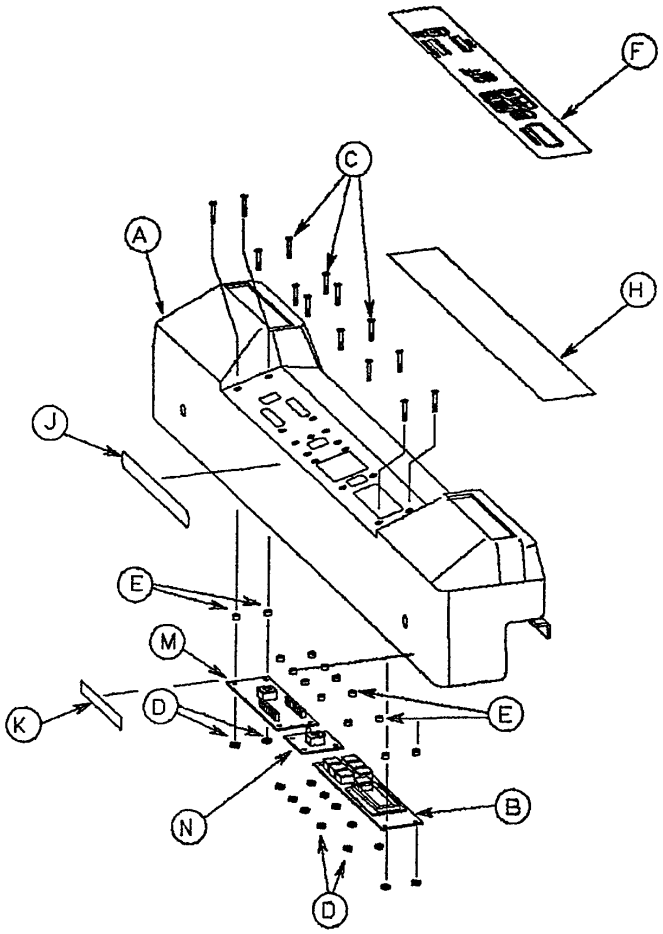
2010–50–515

Item	Part No.	Part Name	Qty.
A	2010–50–518	Frame End, Basic	1
B	2010–50–900	Trend/Fow. Disp. Bd.	1
C	1–70	Flat Hd. Mach. Screw	4
D	16–51	Nut	4
E	52–90	Spacer	4
F	2010–50–517	Ft. End Control Label	1
H	2020–1–566	Clear Shield	1
J	2010–1–115	Label, O2 Hazard	1

2011–50–515

Item	Part No.	Part Name	Qty.
A	2010–50–518	Frame End, Basic	1
B	2010–50–900	Trend/Fow. Disp. Bd.	1
C	1–70	Flat Hd. Mach. Screw	4
D	16–51	Nut	4
E	52–90	Spacer	4
F	2011–50–517	Ft. End Control Label	1
H	2020–1–566	Clear Shield	1
J	2011–1–114	Label, O2 Hazard	1

2010–52–515 & 2011–52–515 Frame End Ass'y, All Options



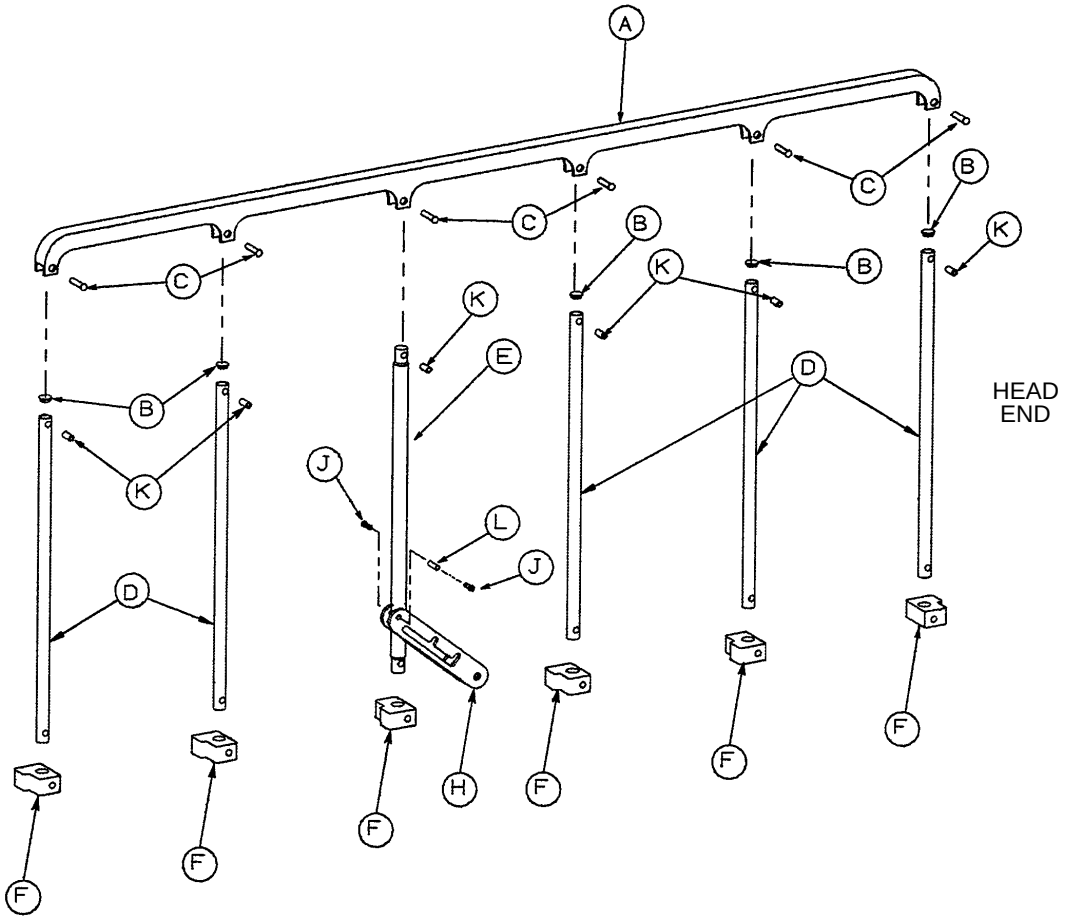
2010–52–515

Item	Part No.	Part Name	Qty.
A	2010–52–516	Frame End, All Options	1
B	2020–57–512	Scale Disp./Keyboard	1
C	1–70	Flat Hd. Mach. Screw	14
D	16–51	Nut	14
E	52–90	Spacer	14
F	2010–52–517	Foot End Ctrl. Label	1
H	2020–1–566	Clear Shield	1
J	2010–1–115	Label, O2 Hazard	1
K	2020–1–146	Label, Scale	1
L	2010–1–105	Label, On/Off	1
M	2010–50–900	Trend/Fow. Disp. Bd.	1
N	2010–59–910	Switch Board	1

2011–52–515

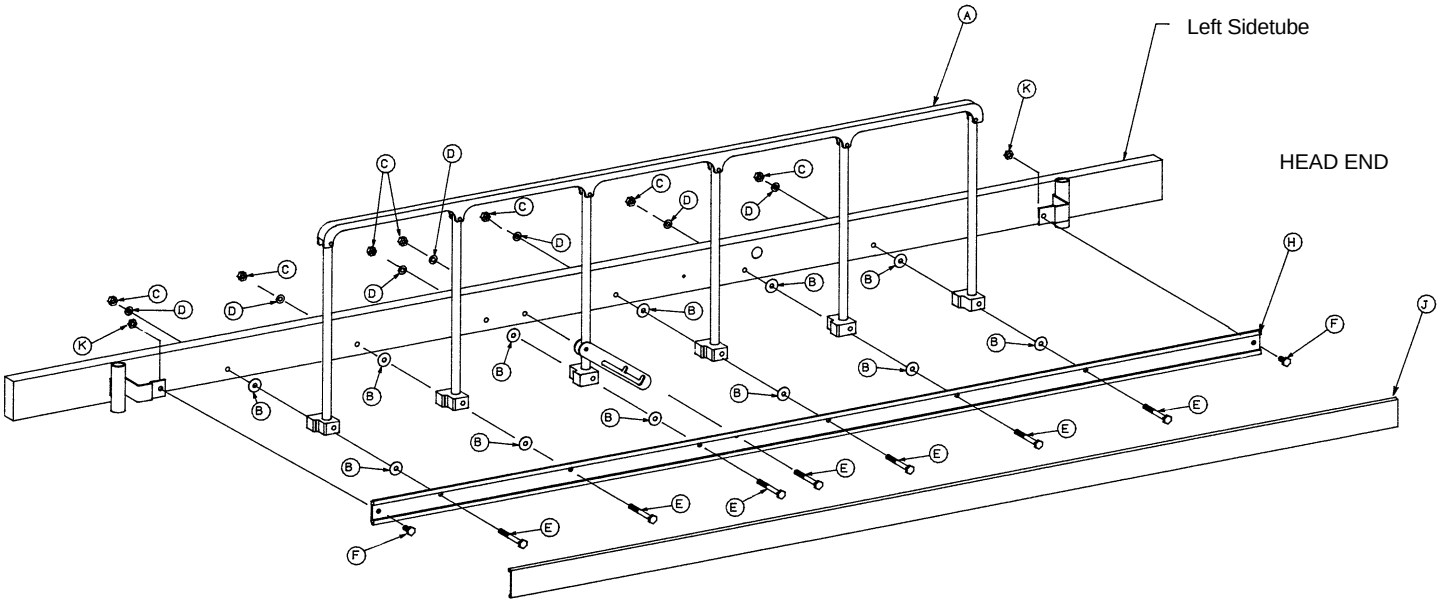
Item	Part No.	Part Name	Qty.
A	2010–52–516	Frame End, All Options	1
B	2020–57–512	Scale Disp./Keyboard	1
C	1–70	Flat Hd. Mach. Screw	14
D	16–51	Nut	14
E	52–90	Spacer	14
F	2011–52–517	Foot End Ctrl. Label	1
H	2020–1–566	Clear Shield	1
J	2011–1–114	Label, O2 Hazard	1
K	2011–1–115	Label, Scale	1
L	2011–1–116	Label, On/Off	1
M	2010–50–900	Trend/Fow. Disp. Bd.	1
N	2010–59–910	Switch Board	1

2020–26–815 & 2011–26–815 Siderail Ass'y, Fold Head



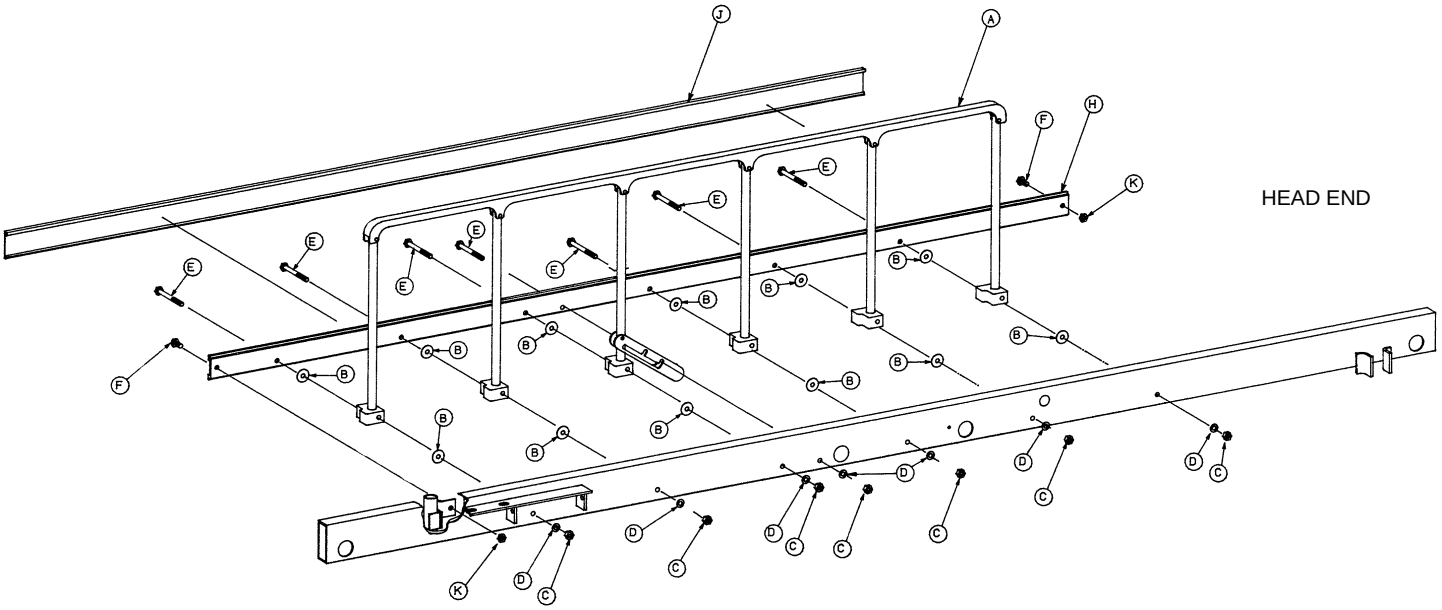
Item	Part No.	Part Name	Qty.
A	938–1–188	Top Rail	1
B	37–42	Round Hole Plug	5
C	25–61	Semi–Tubular Rivet	6
D	958–26–17	Upright	5
E	2020–28–815	Lock Spindle	1
F	2020–90–865	Pivot	6
	2020–90–840	Pivot (2011)	
H	946–26–29	Siderail Latch Assembly	1
J	1–22	Flat Hd. Mach. Screw	2
	4–49	Hex Soc. Hd. Cap Screw (2011)	2
K	2020–26–816	Spacer	6
L	2020–26–817	Pivot Bar	1

2020–26–810 & 2011–26–810 Siderail & Bumper Ass'y, Lt., Fold Head



Item	Part No.	Part Name	Qty.
A	(page 52)	Siderail Assembly	1
B	14–19	Washer	12
C	16–11	Flexlock Nut	7
D	11–3	Washer	7
E	3–88	Hex Hd. Cap Screw	7
F	3–2	Hex Hd. Cap Screw	2
H	958–26–821	Bumper, Left	1
J	988–1–576	Cap	1
K	16–16	Fiberlock Nut	2
L	958–1–529	Midsection Skin (not shown)	1

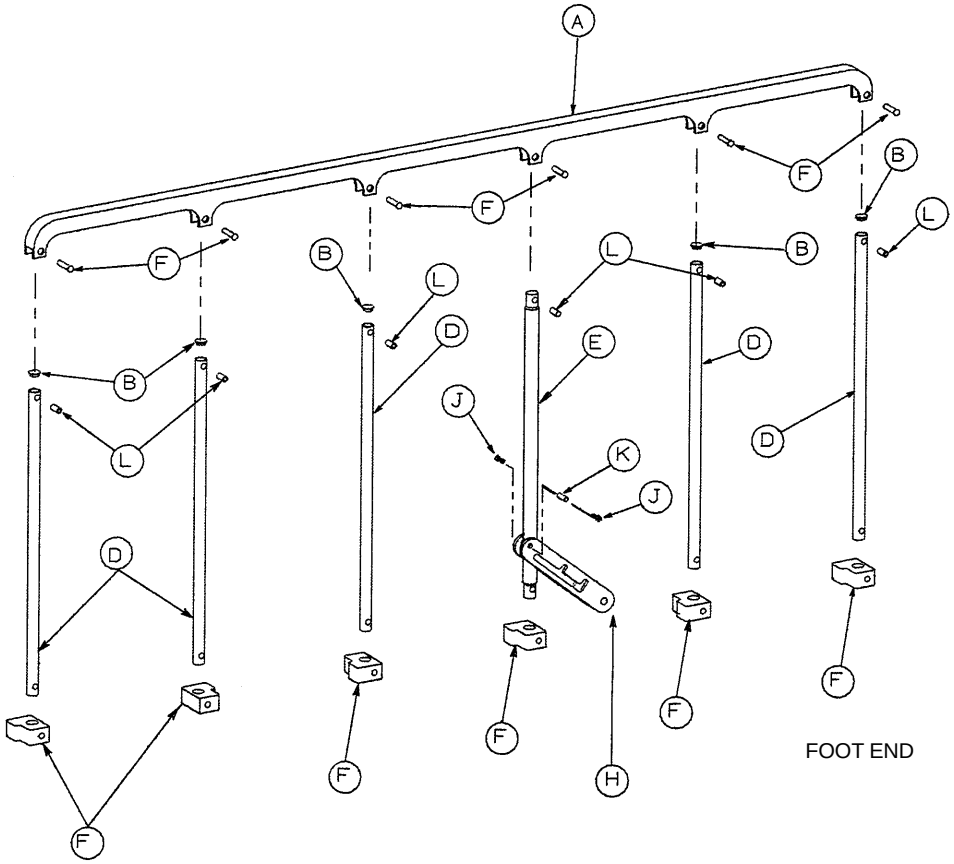
2020–26–811 & 2011–26–811 Siderail & Bumper Ass'y, Rt., Fold Head



Item	Part No.	Part Name	Qty.
A	(page 52)	Siderail Assembly	1
B	14–19	Washer	12
C	16–11	Flexlock Nut	7
D	11–3	Washer	7
E	3–88	Hex Hd. Cap Screw	7
F	3–2	Hex Hd. Cap Screw	2
H	958–26–820	Bumper, Right	1
J	988–1–576	Cap	1
K	16–16	Fiberlock Nut	2
L	958–1–529	Midsection Skin (not shown)	1

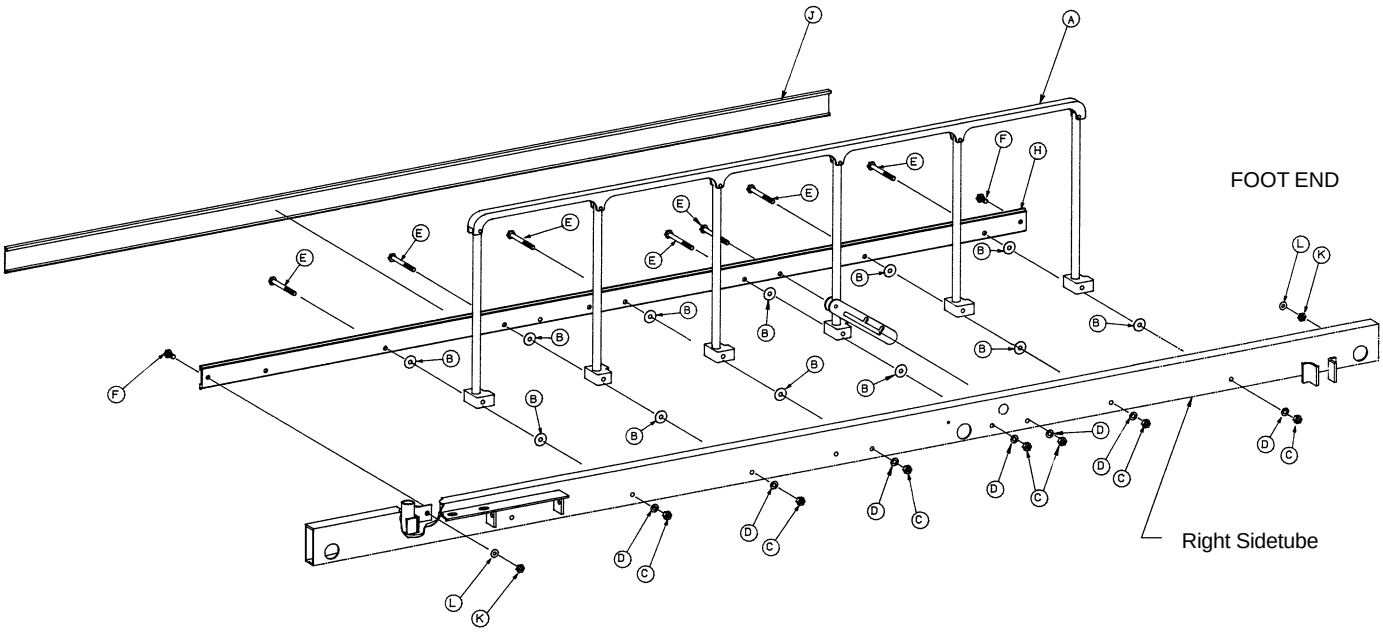
2020–27–812 & 813 Siderail Ass'y, Lt. & Rt., Fold Foot

2011–27–815 Siderail Assembly, Fold Foot



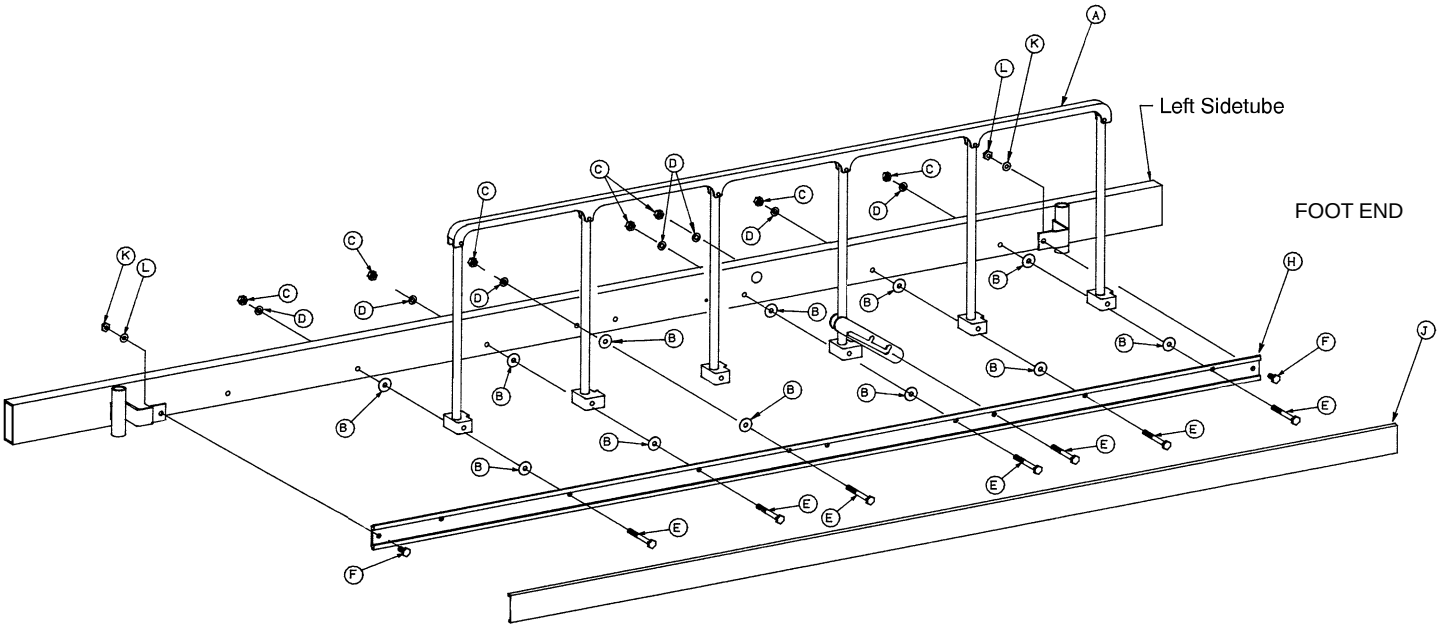
Item	Part No.	Part Name	Qty.
A	938–1–188	Top Rail	1
B	37–42	Round Hole Plug	5
C	25–61	Semi–Tubular Rivet	6
D	958–26–17	Upright	5
E	2020–28–815	Lock Spindle	1
F	2020–90–865	Pivot	6
	2020–90–840	Pivot (2011)	6
H	946–26–29	Siderail Latch Assembly	1
J	1–22	Flat Hd. Mach. Screw	2
	4–49	Hex Soc. Hd. Cap Screw (2011)	2
K	2020–26–817	Pivot Sleeve	1
L	2020–26–816	Spacer	6

2020–27–811 & 2011–27–811 SIderail & Bumper Ass'y, Rt., Fold Foot



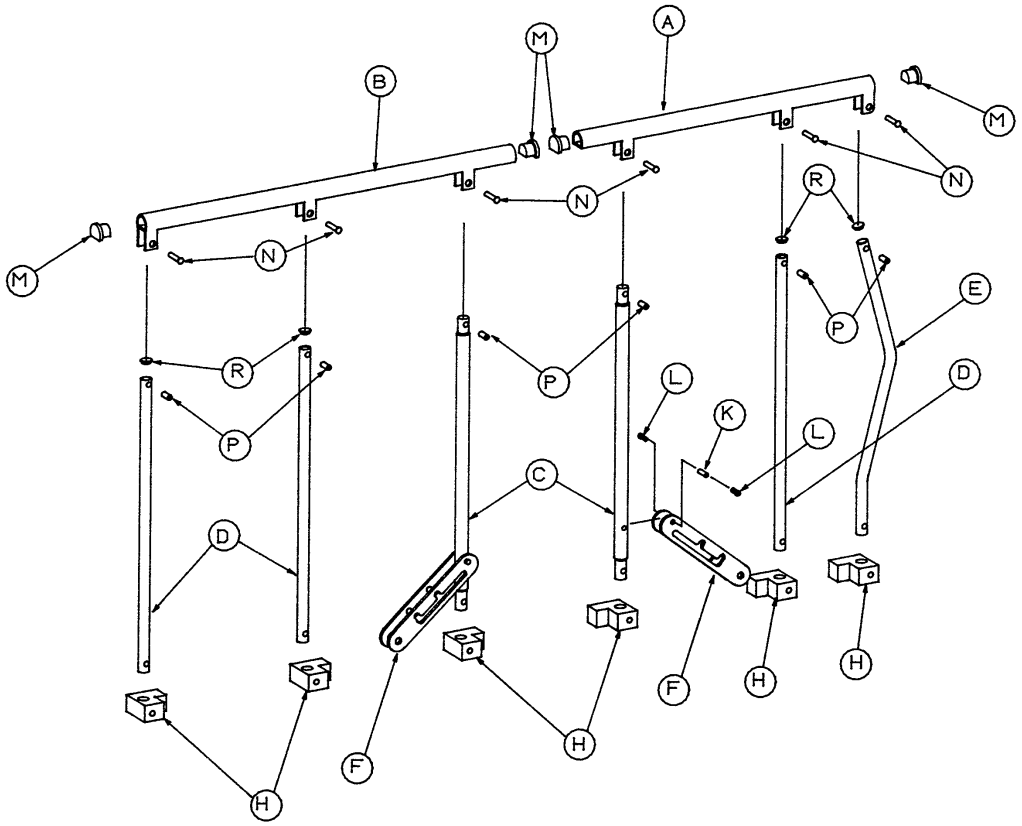
Item	Part No.	Part Name	Qty.
A	(page 55)	Siderail Assembly	1
B	14–19	Washer	12
C	16–11	Flexlock Nut	7
D	11–3	Washer	7
E	3–88	Hex Hd. Cap Screw	7
F	3–2	Hex Hd. Cap Screw	2
H	958–26–820	Bumper, Right	1
J	988–1–576	Cap	1
K	16–16	Fiberlock Nut	2
L	11–2	Flat Washer	2
M	958–1–529	Midsection Skin (not shown)	1

2020–27–810 & 2011–27–810 Siderail & Bumper Ass'y, Lt., Fold Foot



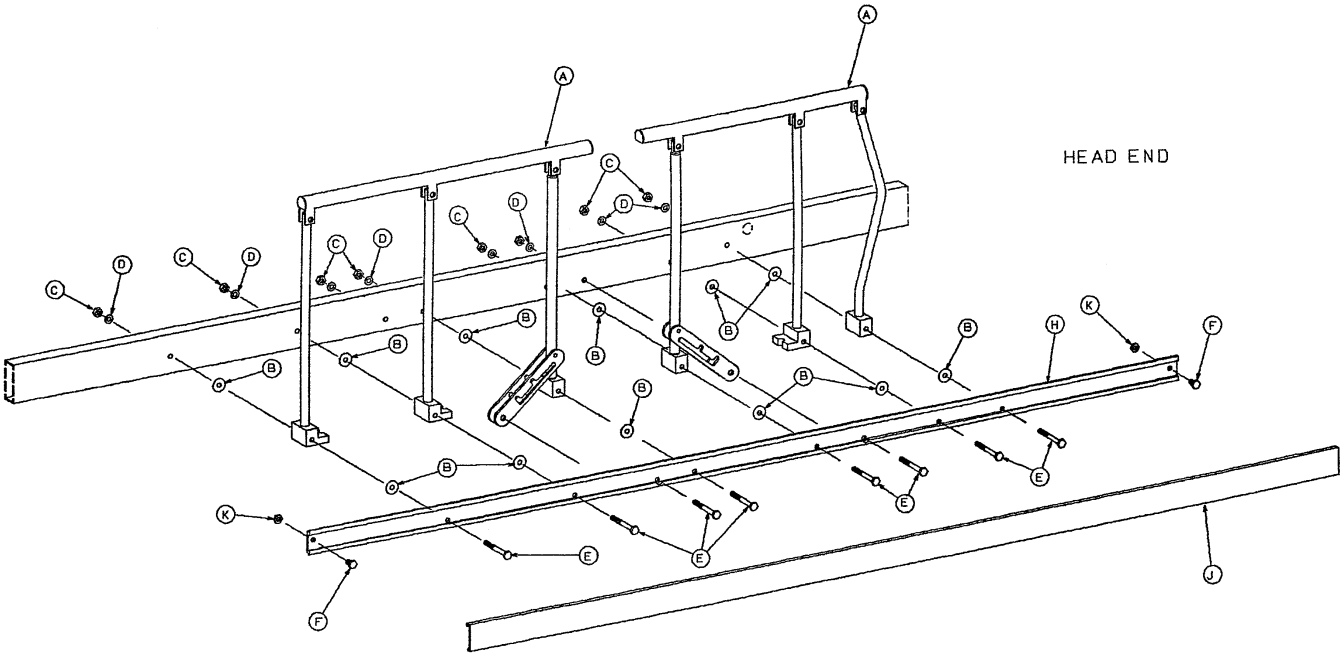
Item	Part No.	Part Name	Qty.
A	(page 55)	Siderail Assembly	1
B	14–19	Washer	12
C	16–11	Flex Lock Nut	7
D	11–3	Washer	7
E	3–88	Hex Hd. Cap Screw	7
F	3–2	Hex Hd. Cap Screw	2
H	958–26–821	Bumper, Left	1
J	988–1–576	Cap	1
K	16–16	Fiberlock Nut	2
L	11–2	Flat Washer	2
M	958–1–529	Midsection Skin (not shown)	1

2020–28–812 & 2011–28–815 Split Folddown Siderail Ass'y



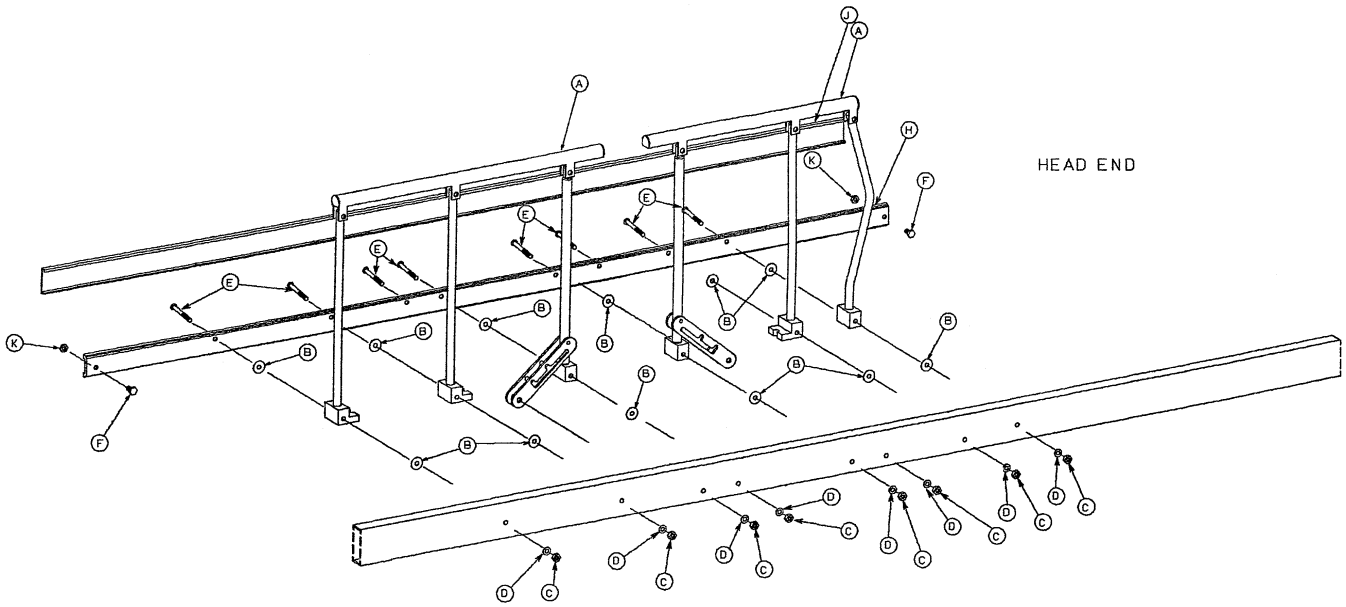
Item	Part No.	Part Name	Qty.
A	2020–28–816	Top Rail, Front	1
B	2020–28–825	Top Rail, Rear	1
C	2020–28–815	Lock Spindle	2
D	958–26–17	Upright	3
E	2020–28–818	Front Spindle	1
F	946–26–29	Siderail Lock Assembly	2
H	2020–90–865	Pivot (2020)	6
	2020–90–840	Pivot (2011)	6
K	2020–26–817	Pivot Bar	2
L	1–22	Flat Hd. Mach. Screw	4
M	37–43	Siderail Endplug	4
N	25–61	Semi–Tubular Rivet	6
P	2020–26–816	Spacer	6
R	37–42	Plug	4

2020–28–810 Siderail & Bumper Assembly, Split, Left



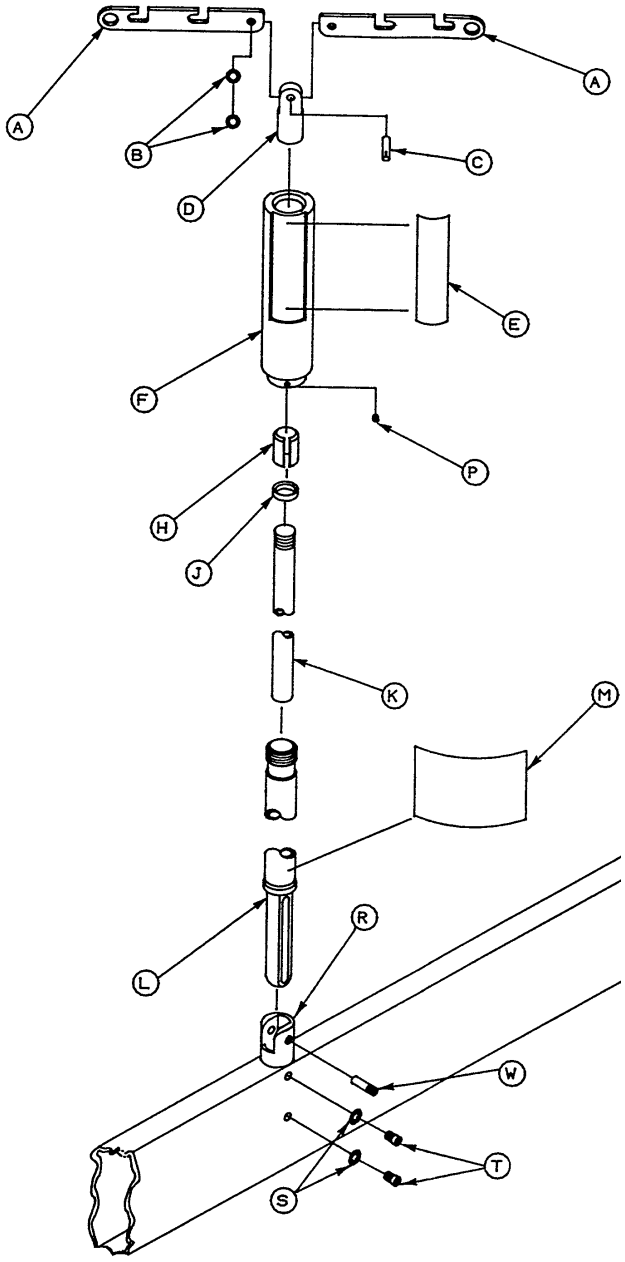
Item	Part No.	Part Name	Qty.
A	(page 58)	Siderail Assembly	1
B	14–19	Washer	12
C	16–11	Flexlock Nut	8
D	11–3	Washer	8
E	3–88	Hex Hd. Cap Screw	8
F	3–1	Hex Hd. Cap Screw	2
H	958–26–821	Bumper, Left	1
J	988–1–576	Cap	1
K	16–16	Fiberlock Nut	2
L	2020–1–599	Midsection Skin (not shown)	1

2020–28–811 Siderail & Bumper Assembly, Split, Right



Item	Part No.	Part Name	Qty.
A	(page 58)	Siderail Assembly	1
B	14–19	Washer	12
C	16–11	Flexlock Nut	8
D	11–3	Washer	8
E	3–88	Hex Hd. Cap Screw	8
F	3–1	Hex Hd. Cap Screw	2
H	958–26–820	Bumper, Right	1
J	988–1–576	Cap	1
K	16–16	Fiberlock Nut	2
L	2020–1–599	Midsection Skin (not shown)	1

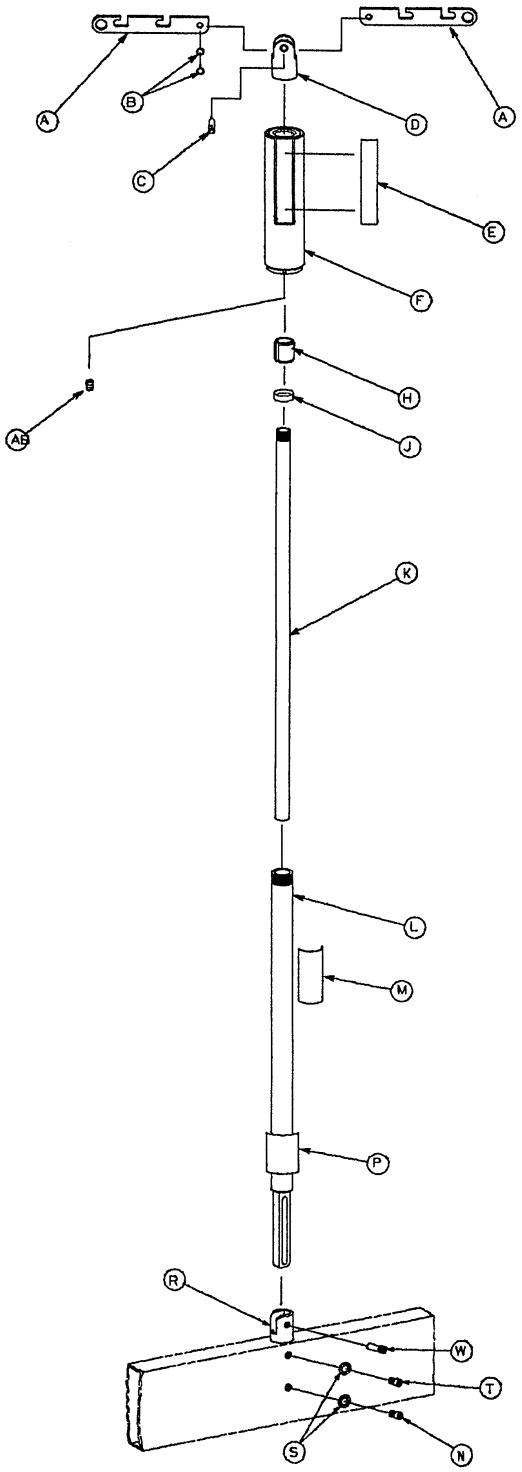
958–224–10 Folding I.V. Holder Assembly



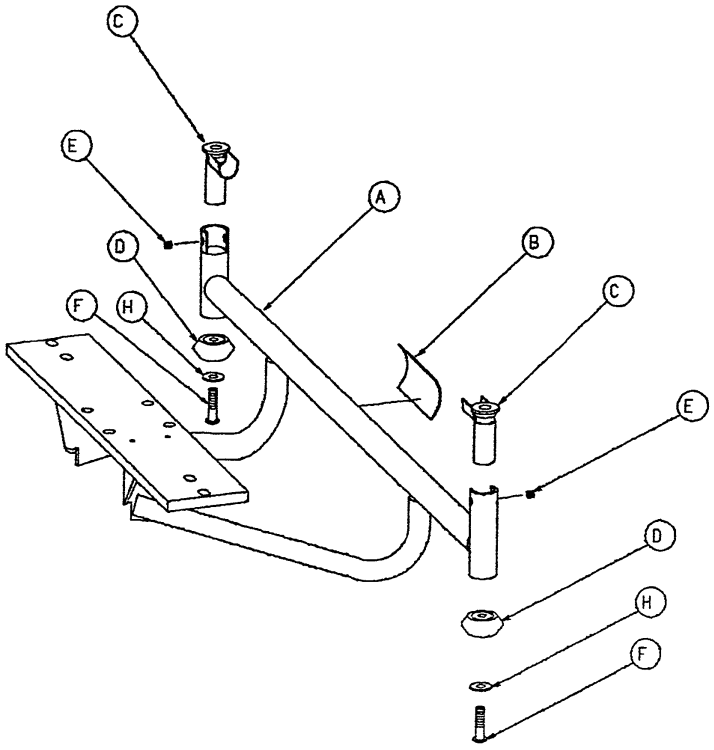
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	946–224–1	Hanger	2	M	958–224–11	Label	1
B	14–16	Washer	2	N	958–224–21	Adhesive Pad	1
C	26–147	Groove Pin	1	P	21–107	Set Screw	1
D	946–224–2	Top Bracket, Mach'd	1	R	2020–19–518	I.V. Sleeve, Mach'd	1
E	2020–1–162	Label	2	S	13–33	Lock Washer	2
F	946–224–33	Grip Assembly	1	T	4–112	Soc. Hd. Cap Screw	2
H	946–224–4	Lock	1	W	958–224–20	Hinge Pin	1
J	946–224–5	Ring	1	Y	25–37	Pop Rivet	1
K	946–224–3	Inner Tube	1	Z	958–224–18	Rest	1
L	2020–19–512	Hinge & Outer Tube Ass'y	1				

2011–24–510 Folding I.V. Holder Assembly

Item	Part No.	Part Name	Qty.
A	946–224–1	Hanger	2
B	14–16	Washer	2
C	26–147	Groove Pin	1
D	946–224–2	Top Bracket, Mach'd	1
E	2011–24–511	Label	2
F	946–224–33	Grip Assembly	1
H	946–224–4	Lock	1
J	946–224–5	Ring	1
K	946–224–3	Inner Tube	1
L	2020–19–512	Hinge & Outer Tube Ass'y	1
M	1010–95–24	Label	1
N	4–179	Soc. Hd. Cap Screw	1
P	2011–24–512	Label	1
R	2020–19–518	I.V. Sleeve, Mach'd	1
S	13–33	Lock Washer	2
T	4–112	Soc. Hd. Cap Screw	1
W	958–224–20	Hinge Pin	1
Y	25–37	Pop Rivet	1
Z	958–224–18	Rest	1
AA	958–224–21	Adhesive Pad	1
AB	21–107	Set Screw	1

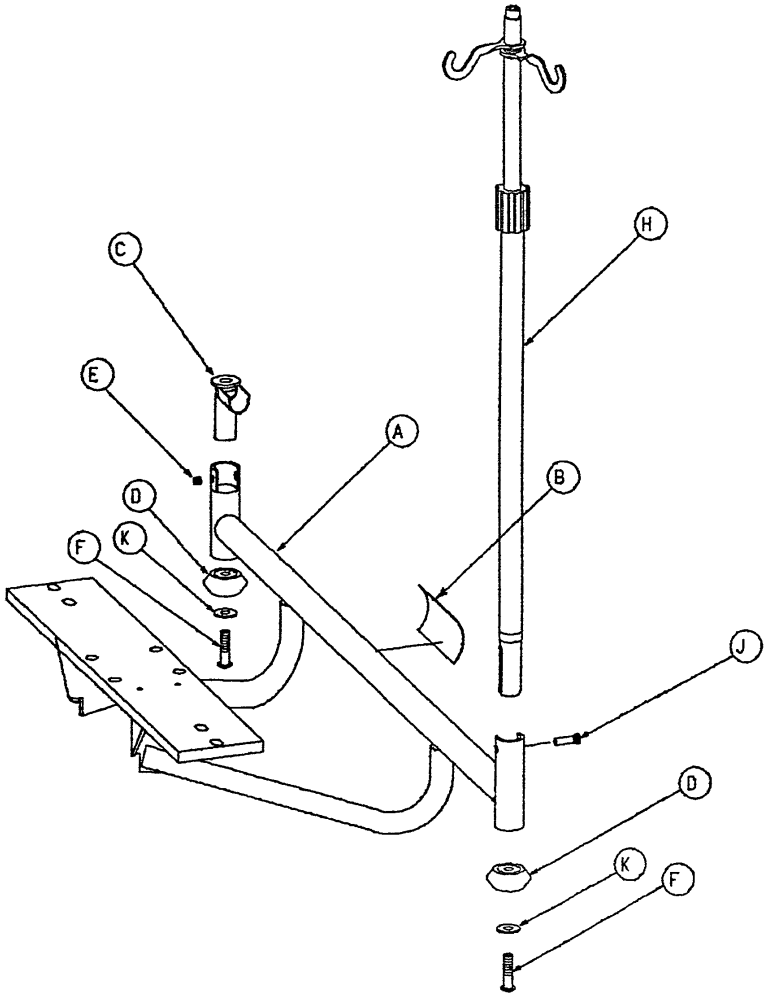


2020–77–512 Isolated I.V. Socket Ass’y, Std. I.V. Pole



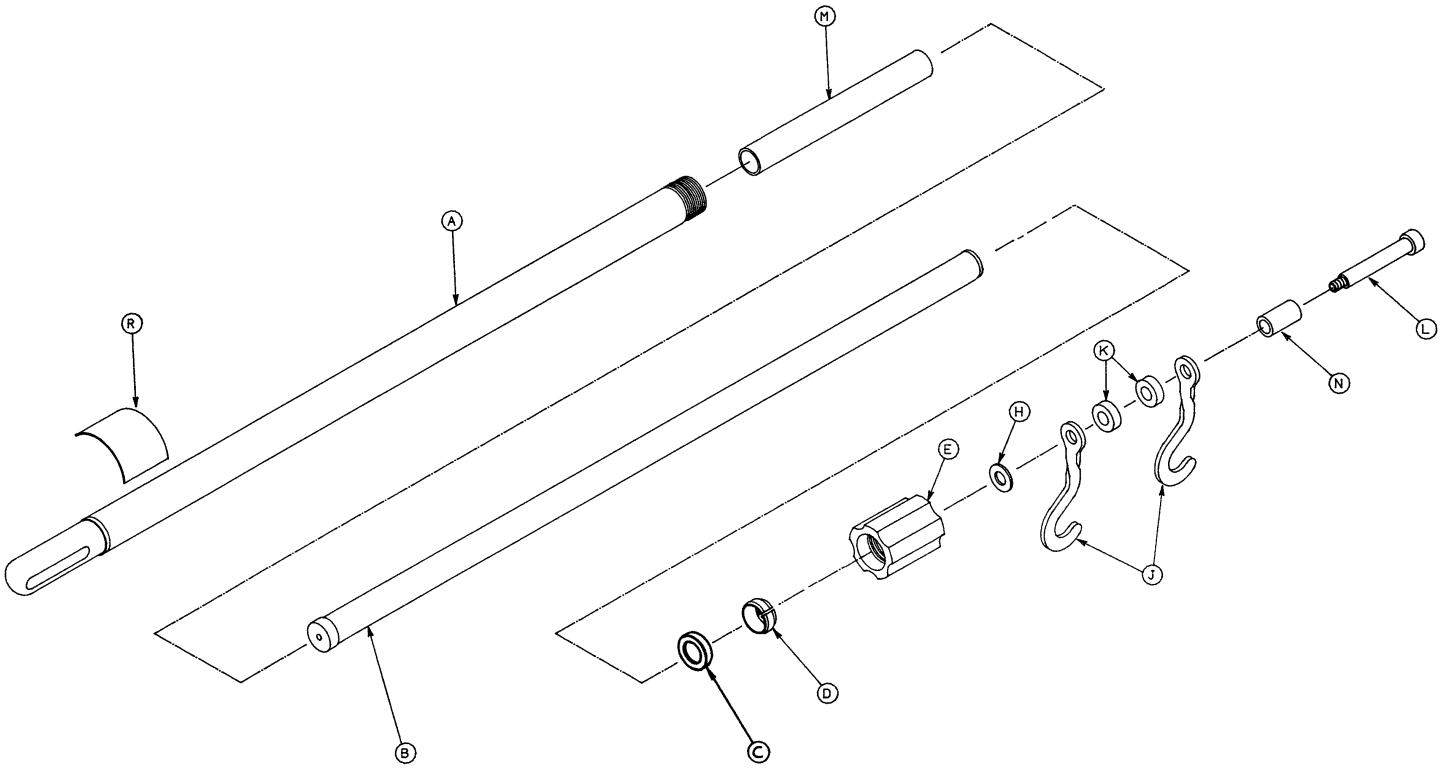
Item	Part No.	Part Name	Qty.
A	2020–77–511	Isolated I.V. Assembly	1
B	2020–77–524	Label	1
C	2020–77–520	Socket Insert Ass’y	2
D	721–32–49	Bumper Roller	2
E	21–131	Set Screw	2
F	8–35	Shoulder Bolt	2
H	11–14	Washer	2

2020–78–512 Isolated I.V. Socket Ass'y, Std. or Perm. I.V. Pole



Item	Part No.	Part Name	Qty.
A	2020–77–511	Isolated I.V. Assembly	1
B	2020–77–524	Label	1
C	2020–77–520	Socket Insert Ass'y	1
D	721–32–49	Bumper Roller	2
E	21–131	Set Screw	1
F	8–35	Shoulder Bolt	2
H	(page 62.3)	I.V. Pole Assembly	1
J	1015–24–35	Retaining Pin	1
K	11–14	Washer	2

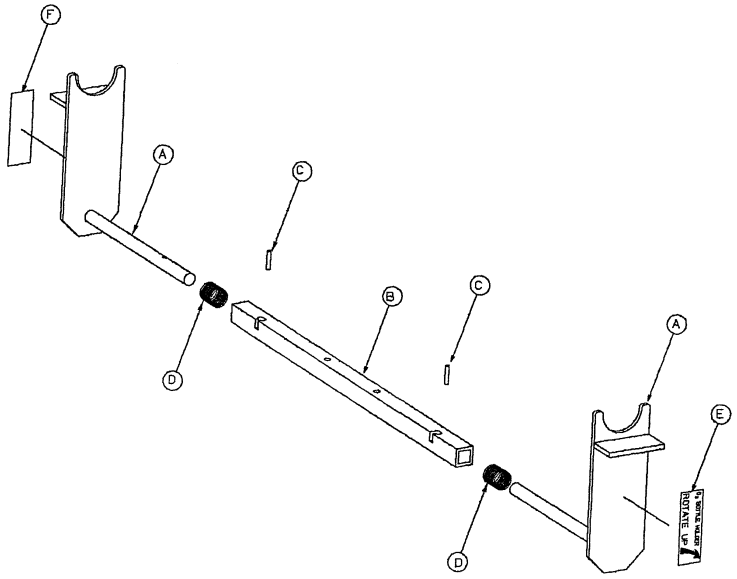
2020–78–525 Permanent, Isolated I.V. Pole Assembly



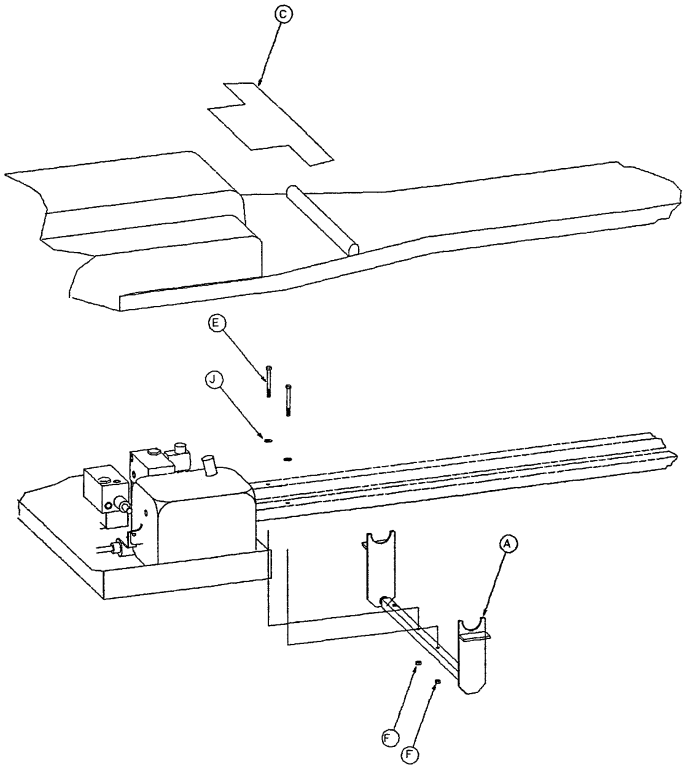
Item	Part No.	Part Name	Qty.
A	1510–59–15	Base Tube Assembly	1
B	926–400–31	Extension Tube Assembly	1
C	1210–110–46	Back–Up Ring	1
D	1210–110–47	Lock Ring	1
E	1210–110–49	Lock Actuator	1
H	14–20	Nylon Flat Washer	1
J	1010–59–16	I.V. Hook	2
K	52–17	Nylon Spacer	2
L	8–31	Shoulder Bolt	1
M	2020–78–516	I.V. Tube Spacer	1
N	926–400–62	Stop Sleeve	1
R	2020–78–517	Logo Label	1

Notes

2020–30–210 & 2020–30–220 O2 Bottle Holder Assembly

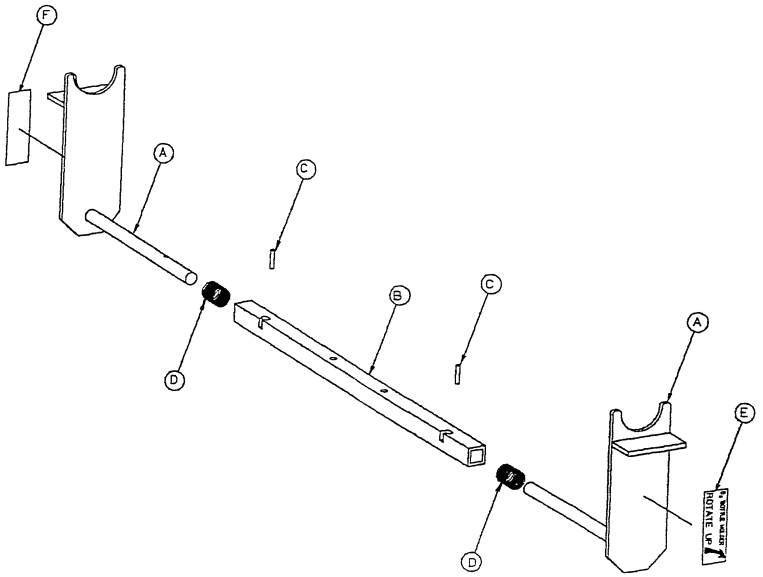


Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	2020–30–215	Bottle Holder Assembly	2	D	38–221	Compression Spring	2
B	2020–30–211	Pivot Support	1	E	2020–30–217	O2 Bottle Label, Left	1
C	26–10	Roll Pin	2	F	2020–30–218	O2 Bottle Label, Right	1

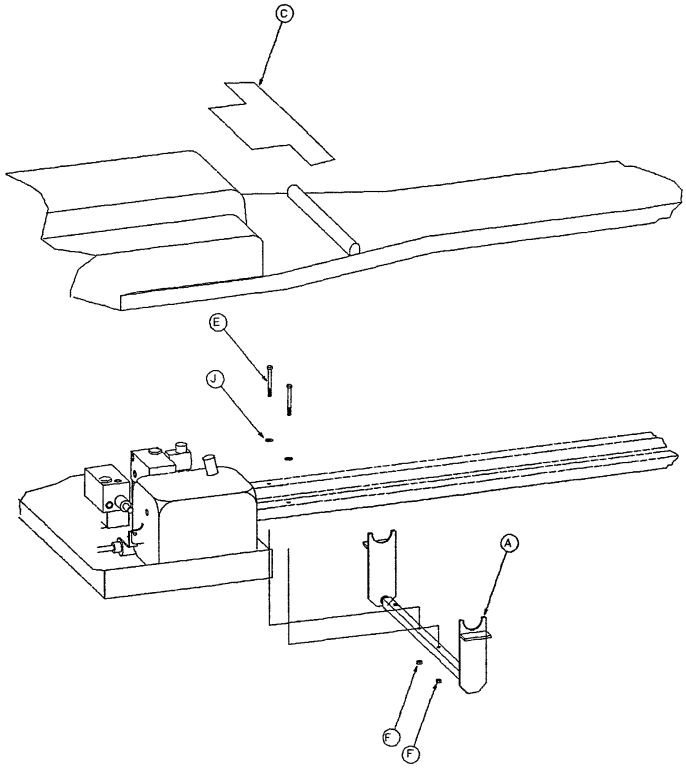


Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	2020–30–220	O2 Mounted Assembly	1	F	16–16	Nylock Hex Nut	2
C	2020–30–221	Adhesive Mat	1	J	13–10	Washer	2
E	3–79	Hex Hd. Cap Screw	2				

2011–30–511 & 2011–30–510 O2 Bottle Holder Assembly

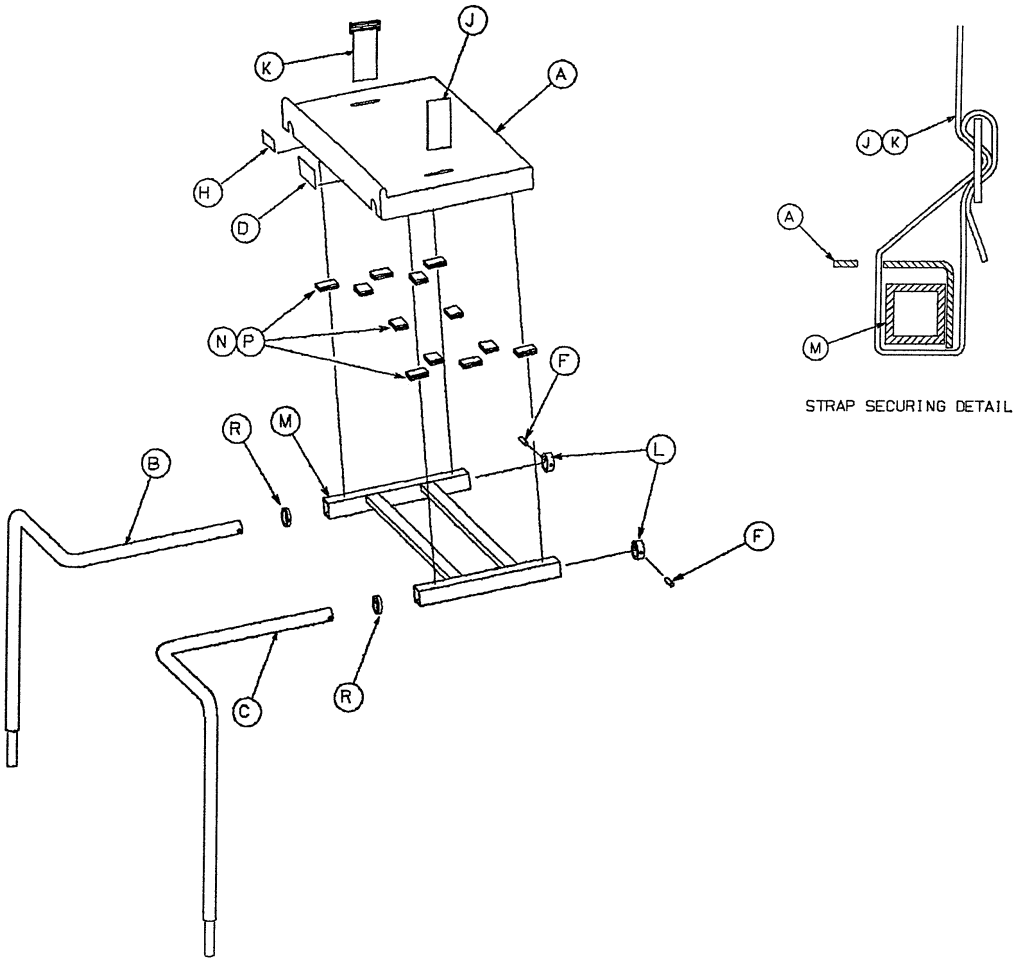


Item	Part No.	Part Name	Qty.
A	2020–30–215	Bottle Holder Assembly	2
B	2020–30–211	Pivot Support	1
C	26–10	Roll Pin	2
D	38–221	Compression Spring	2
E	2011–1–117	Label, Left	1
F	2011–1–119	Label, Right	1



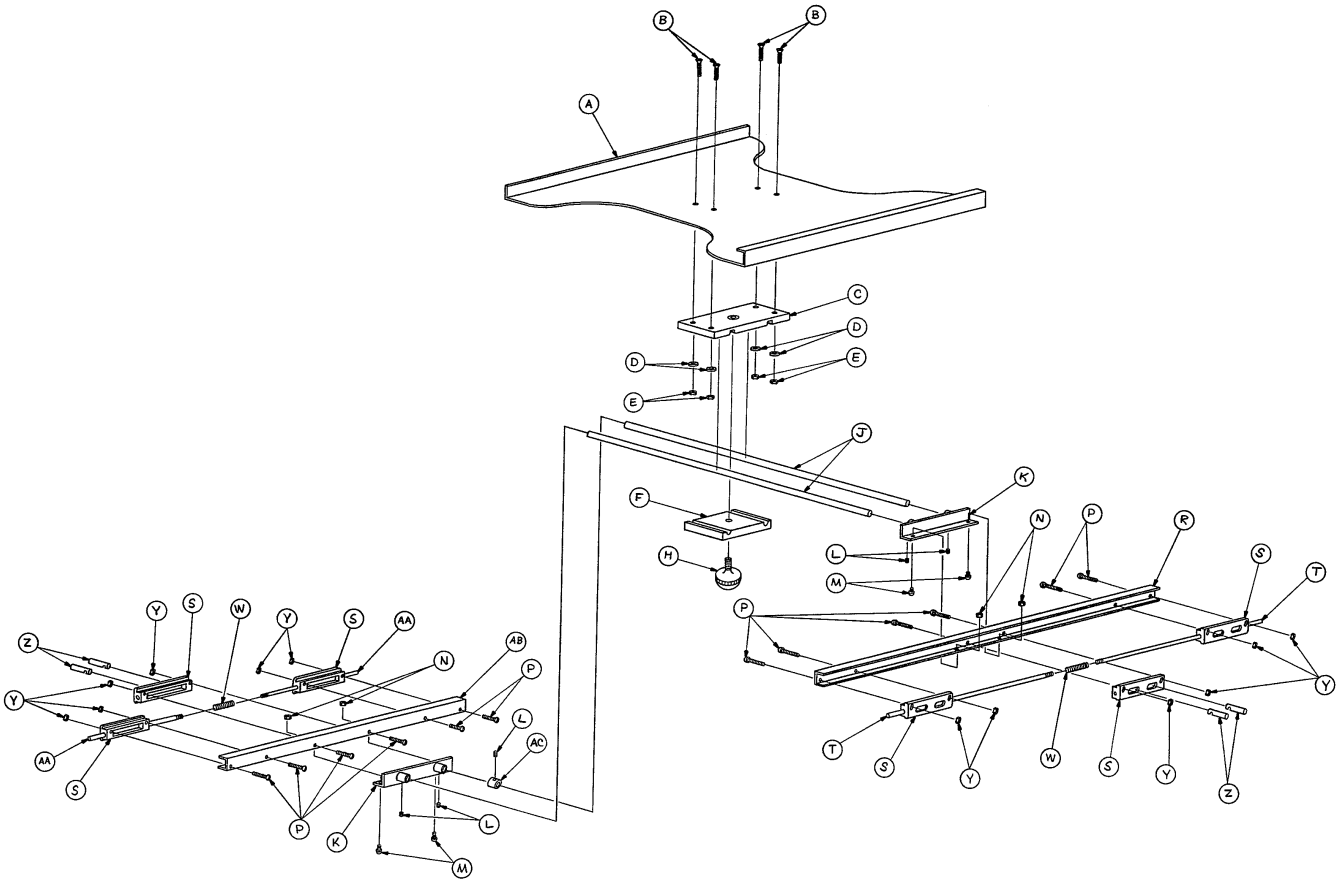
Item	Part No.	Part Name	Qty.
A	2011–30–511	O2 Mounted Assembly	1
C	2020–30–221	Adhesive Mat	1
E	3–79	Hex Hd. Cap Screw	2
F	16–16	Nylock Hex Nut	2
J	11–53	Washer	2

2020–39–510 Defibrillator Tray Assembly



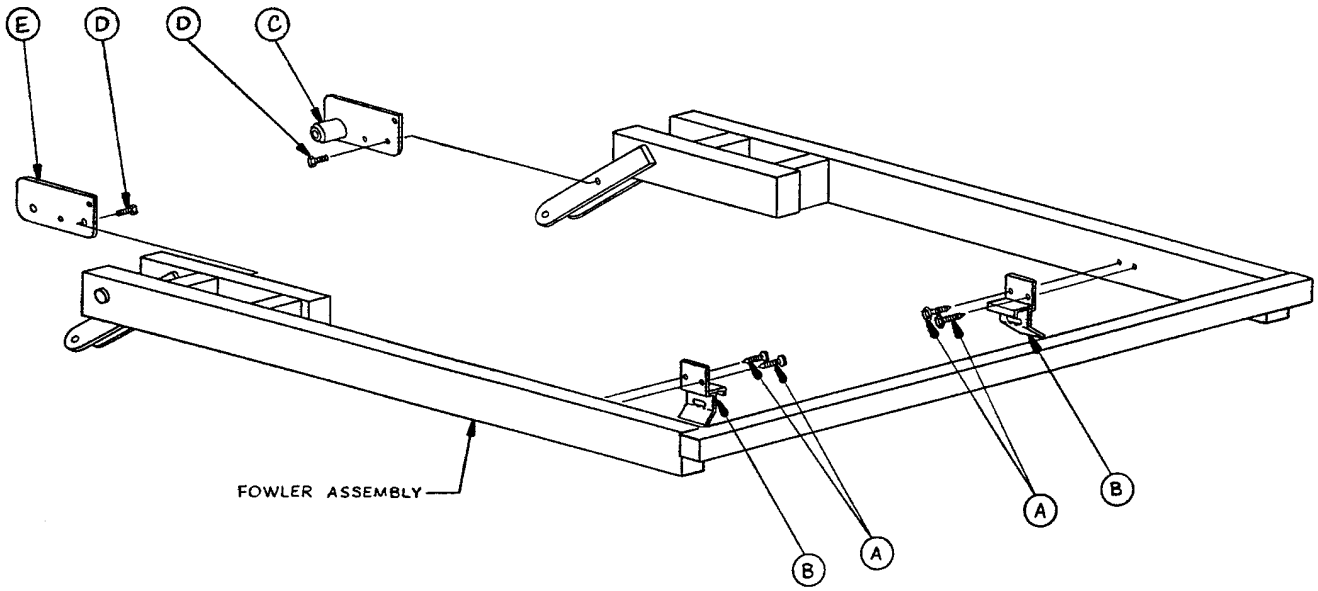
Item	Part No.	Part Name	Qty.
A	2020–39–535	Defibrillator Tray	1
B	2020–39–521	Leg Assembly, Left	1
C	2020–39–520	Leg Assembly, Right	1
D	2020–39–513	Label	1
F	26–14	Roll Pin	2
H	946–1–283	Weight Label	1
J	390–57–12	Long Strap	1
K	1010–50–21	Short Strap	1
L	350–2–24	Collar	2
M	2020–39–530	Support Tube Assembly	1
N	29–8	Dual Lock	12
P	29–10	Dual Lock	12
R	938–1–401	Collar	2

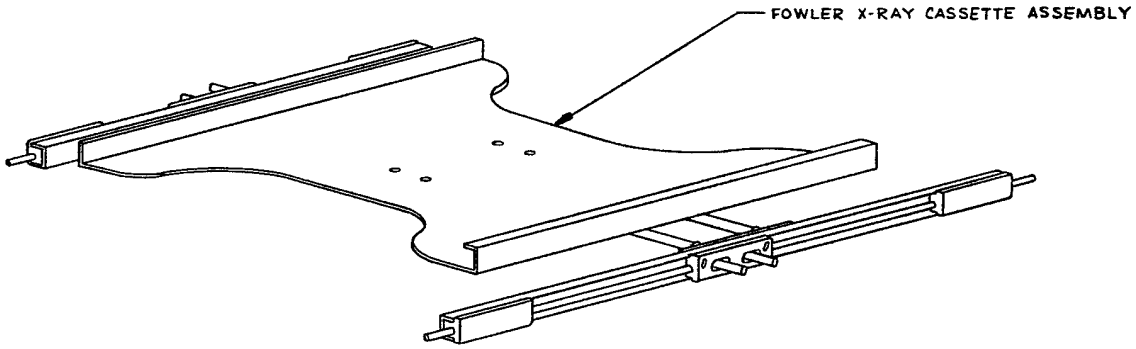
2020–55–10 Fowler X–Ray Cassette Assembly



Item	Part No.	Part Name	Qty.
A	938–20–13	Cassette Holder	1
B	1–58	Flat Hd. Machine Screw	4
C	938–20–20	Channel Top Assembly	1
D	11–63	Washer	4
E	16–16	Fiberlock Nut	4
F	938–20–22	Channel Bottom	1
H	24–34	Plastic Knob	1
J	2020–55–18	Siderail Tube	2
K	2020–55–15	Support Angle Weldment	2
L	21–64	Set Screw	5
M	2–31	Round Hd. Screw	4
N	16–14	Self–Locking Nut	4
P	2–10	Round Hd. Machine Screw	12
R	2020–55–19	Bearing Housing	1
S	926–23–62	Post Housing	6
T	2020–55–20	Actuating Rod	2
W	38–122	Compression Spring	2
Y	15–2	Hex Nut	12
Z	926–23–64	Post	4
AA	926–23–63	Actuating Rod	2
AB	926–23–65	Bearing Housing	1
AC	2020–58–28	Stop Collar	1

2020–54–11 Fowler X–Ray Cassette Retro–Fit Assembly





Item	Part No.	Part Name	Qty.
A	23–55	Self–Tapping Sheet Metal Screw	4
B	2020–55–21	Fowler Tab Assembly	2
C	2020–55–24	Pivot Assembly, Right	1
D	4–6	Soc. Hd. Cap Screw	2
E	2020–55–25	Pivot Assembly, Left	1
F	2020–54–101	X–Ray Cass. Drill Jig (not shown)	1

Warranty

Limited Warranty:

Stryker Medical Division, a division of Stryker Corporation, warrants to the original purchaser that its products should be free from defects in material and workmanship for a period of one (1) year after date of delivery. Stryker's obligation under this warranty is expressly limited to supplying replacement parts and labor for, or replacing, at its option, any product which is, in the sole discretion of Stryker, found to be defective. Stryker warrants to the original purchaser that the frame and welds on its beds will be free from structural defects for as long as the original purchaser owns the bed. If requested by Stryker, products or parts for which a warranty claim is made shall be returned prepaid to Stryker's factory. Any improper use or any alteration or repair by others in such manner as in Stryker's judgement affects the product materially and adversely shall void this warranty. No employee or representative of Stryker is authorized to change this warranty in any way.

This statement constitutes Stryker's entire warranty with respect to the aforesaid equipment. STRYKER MAKES NO OTHER WARRANTY OR REPRESENTATION, EITHER EXPRESSED OR IMPLIED, EXCEPT AS SET FORTH HEREIN. THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE NO WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL STRYKER BE LIABLE HEREUNDER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR IN ANY MANNER RELATED TO SALES OR USE OF ANY SUCH EQUIPMENT.

To Obtain Parts and Service:

Stryker products are supported by a nationwide network of dedicated Stryker Field Service Representatives. These representatives are factory trained, available locally, and carry a substantial spare parts inventory to minimize repair time. Simply call your local representative, or call Stryker Customer Service at (800) 327–0770.

Supplemental Warranty Coverage:

Stryker has developed a comprehensive program of extended warranty options designed to keep your equipment operating at peak performance at the same time it eliminates unexpected costs. We recommend that these programs be activated *before* the expiration of the new product warranty to eliminate the potential of additional equipment upgrade charges. Stryker offers the following Supplemental Warranties:

Extended (Parts and Labor)

- All replacement parts (excluding mattresses and consumable items)
- Labor and travel for *all* scheduled and unscheduled calls
- Biannual Preventive Maintenance Inspections and repairs
- JCAHO paperwork for preventive maintenance
- Priority Emergency Service

Standard (Labor Only):

- Labor and travel for *all* scheduled and unscheduled calls
- Biannual Preventive Maintenance Inspections and repairs
- JCAHO paperwork for preventive maintenance
- Priority Emergency Service

Basic (Parts Only):

- All replacement parts (excluding mattresses and consumable items)
- Priority Emergency Service

Please call your local representative, or call (800) 327–0770 for further information

Return Authorization:

Merchandise cannot be returned without approval from the Stryker Customer Service Department. An authorization number will be provided which must be printed on the returned merchandise. Stryker reserves the right to charge shipping and restocking fees on returned items.

SPECIAL, MODIFIED, OR DISCONTINUED ITEMS NOT SUBJECT TO RETURN.

Damaged Merchandise:

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of receipt of merchandise. DO NOT ACCEPT DAMAGED SHIPMENTS UNLESS SUCH DAMAGE IS NOTED ON THE DELIVERY RECEIPT AT THE TIME OF RECEIPT. Upon prompt notification, Stryker will file a freight claim with the appropriate carrier for damages incurred. Claim will be limited in amount to the actual replacement cost. In the event that this information is not received by Stryker within the fifteen (15) day period following the delivery of the merchandise, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for payment of the original invoice in full.

Claims for any short shipment must be made within thirty (30) days of invoice.

International Warranty Clause:

This warranty reflects U.S. domestic policy. Warranty outside the U.S. may vary by country. Please contact your local Stryker Medical representative for additional information.

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